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सी-डॉट
C-DOT

NOTIFICATION

C-DOT (Centre for Development of Telematics) is a premier R&D Autonomous Institute of the Government of India, engaged in Research & Development of various innovative telecom related technologies.

C-DOT is looking for dynamic, experienced and qualified professionals who can contribute the best for the following vacant positions on direct recruitment basis:

Vacant Position	Level as per 7 CPC	Place of posting
Research Engineer / Senior Research Engineer	Level -10/Level -11/Level -12	New Delhi/ Bangalore
Manager – Media Coordination	Level – 11/Level -12	New Delhi

A. General Terms and Conditions:

1. The above appointment would be against regular vacancies available at C-DOT subject to applicable provisions of bye-laws. The selected candidate will be appointed against a regular post.

2. All appointment against the notified positions i.e., against regular vacancies is on contract basis for duration up to 5 years. The contract shall be renewable based on project requirement and satisfactory performance review for further periods up to five years at a time, till attaining the age of superannuation i.e., 60 years.

3. The selected candidate will be on probation for one year and on successful completion of probation, will be employed on contract up to a period of 5 years (probation included).

4. The application has to be submitted online on or before **30 June 2023**. All the required documents (Proof of DOB/ Matric/ Graduation/PG degree/ Experience/ Service certificate along with NOC, if applicable) have to be uploaded along with the application. If NOC is not submitted along with the application, it has to be submitted at the time of Interview, failing which they will not be permitted to attend the Interview.

5. Applicants are advised to ensure, before applying, that they possess the minimum essential qualification and experience laid down for the post.

6. The vacancy indicated in the notification is tentative. C-DOT reserves the right to not fill the post advertised, if it so desires.

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7. The prescribed Essential Qualification, Experience and Eligibility Criteria indicated are bare minimum; mere possession of same will not entitle applicants to be called for personal interview. Wherever number of applicants received in response to the advertisement is large; C-DOT may restrict the number of applicants to be called for personal interview to a reasonable limit, on the basis of Academic Performance, Qualification, relevant experience higher than minimum prescribed in the advertisement. Therefore, applicants should furnish the details of all qualifications and experience possessed in the relevant field, over and above (if any) the minimum qualifications/experience prescribed along with documentary evidences.

8. C-DOT strives to have a workforce which also reflects gender balance and hence women candidates are strongly encouraged to apply.

9. Canvassing in any form or bringing in any influence will be a disqualification for the post.

10. In case of any disputes that may occur in the process of selection, the decision of C-DOT shall be final and unquestionable.

11. Age should be less than 35 years as on last date of submission of application for all posts of Research Engineers / Senior Research Engineers

12. Age should be less than 50 years as on last date of submission of application for the post of Manager – Media Coordination

B. <u>Selection Process:</u>

1. Selection will be through Interview process. Management reserves the right to change/modify the selection process at any time, during the process, at its discretion. The decision of the management will be final and binding.
2. Those working in the Central/State Government Departments/Undertakings/Autonomous Bodies etc. will be required to send their application through proper channel. However, an advance application may be submitted online
3. All Govt/PSU/Autonomies employees are to submit their NOC failing which they will not be allowed for the Interview
4. Pay scale will be as mentioned in the advertisement and also depending upon the present scale, competency level and experience of the selected candidate

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Post Code- T0301 **Job Description** **Positions: 10**

Job Title	Location
Software Engineers - 5G-RAN Software Development and Testing	**Bangalore**

Skills and Abilities:

- Proficient in the C/ C++ language, Data Structures, Algorithms, Linux, multi-threaded system and scripting
- Good understanding of 3GPP, O-RAN and SCF specifications of 4G / 5G and RAN architecture, protocols, and procedures
- Experience in software development, system design and architecting of protocol stacks and interfaces.
- In-depth knowledge of RAN software development for mobile networks, especially on 3GPP LTE and NR. Working experience of 4G/5G Layer-2/Layer-3 software design and development.
- Experience in development of RAN Intelligent Controller (RIC) and RIC interfaces.
- Hands-on experience in Software integration and debugging issues. Experience in debugging tools like Wireshark, gdb etc
- Experience in Open stack, DevOps CI/CD, Cloud, Kubernetes, Pods, Dockers will be an add on.
- Experience with working on 5G test tools such as UE Simulators, Core Network Simulators
- Experience with working in cloud native environment, experience with test and automation tools.
- Shall be able to develop, enhance software protocols, interfaces and management software modules.
- Good understanding of IP networking
- Analyze system logs, test tool logs and use this information for debugging issues and identifying accurate root causes for the problems seen on the system under test or in the network.

Experience and Age:

- Minimum B.Tech/B.E in Computer Science (CSE**)/**Electronics and Communications(ECE) (with minimum 60% throughout the academics)
- Minimum 3 to 5 years of experience in 4G/5G RAN software development.

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Post Code- T0302 **Job Description** **Positions: 6**

Job Title	Location
RF Engineers- 5G-RAN RF Unit development and Testing	**Bangalore**

Skills and Abilities:

- Good understanding of 3GPP standards and O-RAN specifications of 4G / 5G and RAN architecture, protocols and procedures.
- Working Knowledge of design tools like ADS/AWR essential.
- Experience in Wireless conformance testing using industry standard test equipment will have added advantage.

Qualification and Experience:

- BE/ B.Tech (ECE) (with minimum 60% throughout the academics)
- M.Tech in RF/Microwave and Power Amplifier design experience will be preferred.
- 3 to 5 years of experience in 4G/5G-RAN Radio unit development and testing.

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Post Code- T0303 **Job Description** **Positions: 5**

Job Title	Location
Development Engineers - 5G-RAN Baseband-DU Physical Layer	**Bangalore**

Skills and Abilities:

- Good understanding of 3GPP standards and O-RAN specifications of 4G / 5G and RAN architecture, protocols and procedures.
- Experience in 4G/5G physical layer development and testing
- Working knowledge of FAPI and nFAPI for L1 & L2 interface, and working knowledge of Openhaul 7-2x interface.
- Proficient in C and C++ Knowledge and MATLAB
- Experience in 4G/5G eNB/gNB testing with UE simulators,VSG and VSA.

Qualification and Experience:

- BE/ B.Tech (ECE) (with minimum 60% throughout the academics)
- 3 to 5 years of experience in 4G/5G-RAN Physical Layer development and testing.

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Post Code- T0304 **Job Description** **Positions: 4**

Job Title	Location
Development Engineers - 5G-RAN Baseband-DU HW	**Bangalore**

Skills and Abilities:

- Good understanding of 3GPP standards and O-RAN specifications of 4G / 5G and RAN architecture, protocols and procedures.
- Experience in 4G/5G eNB/gNB testing with UE simulators, VSG and VSA.
- Experience in programming in VHDL/Verilog for FPGA based designs and FPGA SOCs.
- Working Knowledge in high-speed interfaces like PCIe & eCPRI and Knowledge of TCP/UDP.
- Hands on experience for porting and running L1 on generic server. Experience in Linux OS, Real time kernels, DPDK and multi core programming in generic server hardware.
- Working Experience in PCIe accelerator cards and Network interface cards (NIC).
- Experience in implementing IEEE 1588 PTP on server.

Qualification and Experience:

- BE/ B.Tech (ECE) (with minimum 60% throughout the academics)
- 3 to 5 years of experience in 4G/5G-RAN Baseband Unit development and testing.

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Post Code- T0305 **Job Description** **Positions: 5**

Job Title	Location
Development Engineers (5G-RAN Openhaul interface and Lower Physical layer development and Testing)	**Bangalore**

Skills and Abilities:

- Good understanding of 3GPP standards and O-RAN specifications of 4G / 5G and RAN architecture, protocols and procedures.
- Knowledge of O-RAN front-haul interface specification (ORAN-WG4)
- Experience in 4G/5G physical layer development and testing
- Working Knowledge of simulation tools such as MATLAB and Digital signal Processing.
- Working experience of OFDMA, MIMO, Beamforming, FFT/IFFT, Channel Estimation, channel equalizer and Carrier Aggregation implementation
- Knowledge of NETCONF, SSH, TCP/IP, eCPRI, PTP and SyncE protocols
- Working experience of FPGA based design and development

Qualification and Experience:

- BE/ B.Tech (ECE) (with minimum 60% throughout the academics)
- 3 to 5 years of experience in 4G/ 5G-RAN development and Testing.

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Post Code- T0401 **Job Description** **Positions - 06**

Job Title	Location
Quantum Communications	New Delhi

Skill Set

- Strong Theoretical Background in Quantum Communications
- Expertise in analysing QKD Protocols (& security proofs for the same) and support teams implementing the same
- Practical QKD implementation experience desirable
- Good understanding of various types of attack strategies on different QKD protocol implementations
- Should have thorough knowledge of Quantum Mechanics in general and all aspects related to Quantum Communications in particular
- Strong documentation and presentation skills; must be proficient in relevant software tools used in the same

Qualification and Experience:

- B.E. / B.Tech. (ECE or Engineering Physics) / M.Sc. (Physics) / M.Tech.and/or PhD with specialization in optical communication / quantum mechanics / quantum communication (with minimum 60% throughout the academics)
- Minimum 2 years' Experience (industry/academic). 0-2 years for PhD candidates

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Post Code- T0402 **Job Description** **Positions - 06**

Job Title	Location
Optical Communication	New Delhi

Skill Set

- Strong optical communication fundamentals
- Experience of designing optical communication products
- Good theoretical and practical knowledge of optical devices used in Optical Communication and Quantum Communications
- Good Board design skills and proficiency in tools used for the same
- Strong analog design concepts and proficiency in tools used for the same
- Strong documentation and presentation skills; must be proficient in relevant software tools used in the same

Qualification and Experience:

- B.Tech (ECE)/B.E (ECE)/M.Tech(ECE)/M.E.(ECE)/M.Tech (Optical Communication) /PhD (in relevant areas)
- Minimum 2 years' Experience in Research and Development. 0-2 years for PhD candidates

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Post Code- T0501 **Job Description** **Positions -12**

Job Title	Location
4G/5G Technology Development	New Delhi

Skill Set:

- Shall have experience on Mobile Technologies (4G/5G)
- Shall have experience of protocol software development
- Shall have experience of large database-oriented application development
- Shall have good expertise in development of Internet Protocol based applications
- Shall have good knowledge of networking concepts
- Should have experience in developing software utilizing various coding languages including C/C++, golang, rust, java, web technologies etc.
- Should have experience in analysing code for weaknesses and errors, and on how to improve them.
- Experience in debugging tools like Wireshark, gdb etc.
- Should have experience in Data Analytics Software
- Should have experience in developing customized code for multiple projects simultaneously
- Should have experience in developing secure software systems based upon industry specifications
- Should have experience in software design using large data sets
- Should have experience in using cybersecurity
- Should have experience in using open-source technology
- Should have experience of Management Interface development
- Should have experience working on large-scale software projects
- Should have good knowledge of CI/CD, DevOps
- Should have good knowledge/ experience with working on 5G test and automation tools e.g. UE Simulators, Core Network Simulators, etc.
- Should have worked cloud-based software development
- Should possess eagerness to explore and learn new technologies
- Should possess outstanding teamwork spirit, collaboration and communication skills
- Preference would be given for candidates having knowledge of 4G/5G protocols
- Preference would be given to candidates having containers / virtual machine-based application development experience.

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Qualification and Experience:

- B.Tech(CS/ECE)/B.E (CS/EC)/M.Tech(CS/ECE)/M.E.(CS/ECE) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years' Experience in Research and Development

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Post Code- T0502 **Job Description** **Positions - 24**

Job Title	Location
AI/ML/Analytics	New Delhi

Skill Set

- Shall have expertise in Mathematical Software, Linear Programming, Linear Algebra and Optimization, AI, ML and Analytics
- Shall have experience in developing mathematical software, parallel programming, multi-processing and high-performance computing
- Should have experience of large database-oriented application development
- Should have experience in developing software utilizing various coding languages including C/C++, golang, rust, java, web technologies etc.
- Should have experience in analyzing code for weaknesses and errors, and on how to improve them.
- Should have experience in Data Analytics Software
- Should have experience in developing customized code for multiple projects simultaneously
- Should have experience in software design using large data sets
- Should have experience in using open-source technology
- Should have experience working on large-scale software projects
- Should have good knowledge of CI/CD
- Should possess eagerness to explore and learn new technologies
- Should possess outstanding teamwork spirit, collaboration and communication skills

Qualification and Experience:

- B.Tech(CS/ECE)/B.E (CS/ECE)/M.Tech(CS/ECE)/M.E.(CS/ECE) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years' Experience in Research and Development

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Post Code- T0503 **Job Description** **Positions - 20**

Job Title	Location
Field Support (Telecom & IP Network)	New Delhi

Skill Set

- Candidate shall have experience of installation, deployment and support of different elements of 2G/3G/4G network
- Candidate shall have experience of working on Network management and troubleshooting.
- Hands-on experience of working on UNIX/Linux environment, shell scripting will be an additional advantage
- Candidate shall have experience of working on Cloud environment.
- Knowledge of Architecture of EPC & IMS as well as different Call flows in 4G/Volte Network
- Good grasp on different Debugging Tools like Wireshark, Tcpdump, Tethereal
- Knowledge of VOIP, SIP, Megaco, Diameter, MAP, GTP etc.
- Knowledge of Networking Protocols i.e. OSPF, BGP, ACL, MPLS etc.
- Comfortable with frequent Travelling/Field Visit at Customer sites
- Good verbal and oral communication skill

Qualification and Experience:

- B.Tech(CS/ECE)/B.E (CS/ECE)/M.Tech(CS/ECE)/M.E.(CS/ECE) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years' Experience in Research and Development / Field Support/Validation in relevant area

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Post Code- T0504 **Job Description** **Positions - 6**

Job Title	Location
Validation - 4G/IMS and 5G	New Delhi

Skill Set:

- Good understanding of OS, Kernel, Drivers. Kernel parameter tuning, Network socket and buffer tuning etc.
- Knowledge of OSI model and TCP/IP stack with major networking protocols.
- Understanding of IPFIX protocols with advanced features (element ids), PENs, with metering and export process.
- Understanding of pattern/signature matching, payload extraction using offset for DPI.
- Understanding of SSL/TLS encryption with TLS 1.3
- Experience in C/C++ (with OOP based approach)
- Experience of implementation of data structure i.e., queues, lists, stacks, graphs, trees etc.
- Experience of architecture design for packet processing applications.
- Experience of multi-threaded architecture and implementation of the same.
- Working knowledge of packet processing including reading, decoding and processing to convert them into flows for adding into application
- Experience of debugging tools such GDB for debugging the application. Fixing the Code for memory leakage, CPU usage issues and security fixes. Working knowledge of. Coverity for scanning the application for vulnerabilities and standards such as OWSAP for code review.
- Experience with protocol analysing tools such as Wireshark and Tcpdump and traffic bandwidth like Iptraff-ng
  Good experience of working on Linux.

Qualification and Experience:

- BE, B.Tech (CS/ECE) (with minimum 60% throughout the academics)
- 1-3 years of Experience

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Post Code- T0601 **Job Description** **Positions - 16**

Job Title	Location
Software Development Engineer – ITU CAP	**New Delhi**

Skill Set

- Experience in software development in Object Oriented Programming (OOP) languages (Java/C++). Good knowledge of DBMS - PostgreSQL/MySQL/MongoDB with experience of designing and interfacing with the database.
- Work through all phases of the project lifecycle, including reviewing requirements, designing QA and support services for the new technology platform, building new test tools, developing test code
- Preference will be given to candidates with experience in Spring Boot, Microservices, DevSecOps, CI/CD process using Docker, Jenkins and Kubernetes.

Or

- Experience in designing and developing Security Software Solution in any of the following Domain: SOC, Automation/SOAR, Designing/Build Playbook/ Identity Management/Role Based Access Control. Must Possess knowledge of basic risk management approach, OS concept, well know Network protocols (FTP, HTTP, LDAP, SSH, SMP etc), various vulnerabilities, network attacks

Or

- Experience in developing GIS mapping applications. Knowledge of imagery, mapping, and geospatial data and GIS location-based software applications like tracking, route identification etc.
- Experience in working with Geo Spatial Database (like PostGIS), GeoServer/MapServer, OpenLayers and GIS Data Management Tools like QGIS/ MapInfo/ ESRI ArcGIS.

Or

- Experience or knowledge of development of Wireless 5G or LTE Core network technology & protocols. Well versed with 3GPP Specifications.

Or

- Experience in Design, implement, test, deploy and maintain innovative data and machine learning solutions.

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- Statistical modelling and data analysis experience (e.g., significance testing, regression modelling, sampling theory etc.) and knowledge of linear algebra, calculus, probability and statistics.
- Experience using Python, R or a similar scripting language for training and deploying machine learning models. Experience in finding, cleaning and transforming large data sets to build reports, dashboards and / or data assets.
- Knowledge of Big data Applications such as Kafka, MongoDB, Hadoop etc. is preferred.

Or

- Experience in setup private cloud based on OpenStack services. Knowledge of setting up VMs and other services on the cloud. Familiarity with tools for automating infrastructure deployment and management of infrastructure.
- Experience with containerization technologies, such as Docker, Containers and experience with container orchestration tools, such as Kubernetes
- Should have good knowledge on DNS configurations, Load Balancing, Network Monitoring systems, Firewall Single Sign on etc.
- Knowledge of deploying application into cloud using CI/CD (Continuous Integration and Continuous Deployment) process using Docker, Jenkins and Kubernetes
- Familiarity with security best practices and experience implementing security measures in the deployment and maintenance process.

Qualification and Experience:

- BE, B.Tech (CS/IT/ECE) or ME/ M.Tech (CS/IT/ECE) (with minimum 60% throughout the academics)
- Working experience in any of the above-mentioned domains

Desirable:

- Minimum 2 years of professional work experience post qualification in relevant field. Preference will be given to Post Graduate candidates and/ Or certification in relevant domain.

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Post Code- T0701 **Job Description** **Positions: 5**

Job Title	Location
Database Designer - NTC	**Delhi**

Roles & Responsibilities:

- Design, Development, testing and performance tuning of large transactional databases
- Design, Development, testing and performance tuning of large data warehousing solution
- Data security and encryption
- Database Administration
- Developing Query Engine , APIs for Request - Response

Skills and Abilities:

- Proficiency and experience of RDBMS systems and its concepts.
- Knowledge and experience of handling large transactional databases and data warehousing systems.
- Experience/knowledge of RDBMS database technology- Oracle/MySQL/ PostgreSQL.
- Experience/knowledge of RDBMS database administration.
- Experience/knowledge in writing optimized SQL queries.
- Experience/knowledge in backup and recovery of database system.
- Experience/knowledge of NoSQL database and its concepts.
- Experience/knowledge of MongoDB database administration in standalone, cluster mode.
- Experience/knowledge of MongoDB Sharing, Replication, Indexes
- Experience/knowledge of MongoDB Security, Transaction, Backup & recovery etc.
- Practical knowledge of database security and encryption
- Excellent communicator, team player who can work independently also.
- Experience in Rollback strategy
- Experience in Log debugging and error handling.
- Experience in Scaling.
- Experience in knowledge OS/performance fine tuning.
- Experience in networking for distributed database.
- Experience in replication and high availability

Tags:

- RDBMS, MySQL, PostgreSQL, NoSQL, MongoDB.

Qualification and Experience:

- BE/ B.Tech (CSE/IT) (with minimum 60% throughout the academics)
- 0-3 years of professional work experience post qualification.

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Post Code- T0702 **Job Description** **Positions: 5**

Job Title	Location
Software Security Professionals - NTC	**Delhi**

Roles & Responsibilities:

- Implement, test and operate advanced software security techniques in compliance with technical reference architecture
- Perform on-going security testing and code review to improve software security
- Troubleshoot and debug issues that arise
- Provide engineering designs for new software solutions to help mitigate security vulnerabilities
- Contribute to all levels of the architecture
- Maintain technical documentation
- Consult team members on secure coding practices
- Develop a familiarity with new tools and best practices

Skills and Abilities:

- Detailed technical knowledge of techniques, standards and state-of-the art capabilities for authentication and authorization, applied cryptography, encryption algorithms and methodologies, Blockchain, security vulnerabilities and remediation
- Proficiency with languages such as C/C++, Java, Ruby, PHP, MySQL, SQL, and Python
- Proficiency in at least one of the following: JavaScript, Ajax, jQuery, HTML, CSS, Bootstrap
- Understanding of object-oriented programming
- Good understanding of Linux and Shell Scripting
- Deep understanding of data structure and operating system
- Deep understanding of Protocols – TCP/IP, UDP, SNMP; inter-process communication (IPC) and Socket programming in multi-threaded environment.
- Experience/Knowledge of RESTful APIs
- Must be able to manage and analyze the security information and event management (SIEM) tools and services.
- Shall be able to create automation with the SIEM and take the real-time analysis produced from alerts and translate that into incident response plans.
- Must be able to improve the security of the application by finding, fixing, and preventing its vulnerabilities during the software development lifecycle (SDLC) so that vulnerabilities are addressed before an application is deployed.
- Practical knowledge of system architectures, networking and embedded systems
- Sound knowledge of application security and encryption
- Experience in application firewall for DdoS.
- Experience of XSS, XSRF
- Experience in backup strategies.

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- Experience in OLP.
- Experience in access control.
- Experience in zero trust
- Experience in segmentation and continuity
- Understanding of Microservices based architecture, Containerization and Container Orchestration tools (Docker & Kubernetes), Architecting Micro service applications from security standpoint

Tags:

- CISSP (Certified Information Systems Security Professional)

Qualification and Experience:

- Min 60% in (B.E/B.Tech in CSE/IT or equivalent degree from a recognized college/university) preferably with CISSP (Certified Information Systems Security Professional) certification
- 2-3 years of professional work experience post qualification.

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Post Code- T0703 **Job Description** **Positions: 5**

Job Title	Location
Back-end Application development	**Delhi**

Roles & Responsibilities:

- Design & Development of optimised quality software to enhance performance, reusability & scalability.
- Code reviews and release management
- Load and performance testing techniques
- Tester s/w development and testing
- Development of IP packet/ message processing application, testing and debugging.

Skills and Abilities:

- Proficiency with languages such as C/C++, Java, Ruby, PHP, MySQL, SQL, and Python
- Proficiency in at least one of the following: JavaScript, Ajax, jQuery, HTML, CSS, Bootstrap
- Understanding of object-oriented programming
- Experience with the design and implementation of APIs
- Understanding of code versioning tools such as SVN, Git, and Mercurial
- Understanding of code management tools such as Subversion, Git, and Helix Core
- Understanding of code deployment tools such as Jenkins, Capistrano, and ElectricFlow
- Good understanding of Linux and Shell Scripting
- Deep understanding of data structure and operating system
- Deep understanding of Protocols – TCP/IP, UDP, SNMP; inter-process communication (IPC) and Socket programming in multi-threaded environment.
- Experience/Knowledge of RESTful APIs
- Experience/Knowledge of design, development and integration of software modules
- Practical knowledge of system architectures, networking and embedded systems
- Knowledge of databases – Oracle/PostGreSQL/MySQL/ Redis/ Mongo
- Knowledge of compilation and debugging tools
- Practical knowledge of application security and encryption
- Experience with container based application development and troubleshooting, testing and maintenance of the existing software, including applications, databases, interfaces and new functionalities. Containerization and Container Orchestration tools (Docker & Kubernetes), Architecting Micro service applications.

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- Track record of successfully managing multiple company or customer websites
- Experience in scaling and high availability.
- Experience in log debugging and error handling.
- Experience in OS fine tunning.
- Experience in failover.
- Excellent time-management and communication skills
- Should be a good team player who can work independently also.

Experience:

- BE/ B.Tech (CSE/IT) (with minimum 60% throughout the academics)
- 0-2 years of professional work experience post qualification.

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Post Code- T0704 **Job Description** **Positions: 4**

Job Title	Location
Validation and Field Support	**Delhi**

Roles & Responsibilities:

- Writing test cases and validation of all software modules
- Writing scripts for automation of testing including the use of CI/CD pipelines
- Implementation and support of the complete solution in the field
- Coordination with vendors for third party software
- Documentation

Skills and Abilities:

- Good knowledge of MVC Framework
- Good knowledge of JDBC and RESTful web services
- Expertise in testing tools jQuery, JMeter, Postman
- Expertise in HTML, CSS, jQuery, AngularJS, Bootstrap
- Expertise in handling relational databases like Oracle/MySQL/PostGreSQL
- Expertise in NoSQL Databases

Qualification and Experience:

- BE/ B.Tech (CSE/IT/ECE) (with minimum 60% throughout the academics)
- 0-2 years of professional work experience post qualification.
- Experience in validation, installation and support of large solutions
- Experience in Kubernetes/docker, Jenkins and CI/CD Tools
- Experience in JAVA, JavaScript, Python
- Experience in Spring Boot, Struts, HTML, CSS, jQuery, AngularJS etc.

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Post Code- T0705 **Job Description** **Positions: 6**

Job Title	Location
GUI/Web Designer & Developer	**Delhi**

Roles & Responsibilities:

- Identify and analyse user requirements to define business objectives
- Identify and analyse software requirements
- MVC based web application design and development.
- Design & Development of quality software to enhance software reusability & scalability
- Design and development of API structure
- Development of UI architectures, interface designs, and interaction flows
- Providing input to backend developers on interfaces
- Build interactive navigation buttons
- Coding, Code reviews, Code optimization, unit testing and Release management
- Integration of Software modules & System Integration testing, Load and performance testing.
- Contribute to all phases of the development lifecycle and hands-on with distributed computing systems.
- Technical Documentation including reports

Skills and Abilities:

- Hands on experience with programming languages and Web Development Technologies (Java, JavaScript, PHP and Python, JQuery, Ajax, Javascript, HTML5 , CSS)
- WEB Services (SOAP, REST)
- Knowledge of Spring Boot, Spring Framework and understanding of Web Application framework (Express Framework)
- In-depth knowledge of data structure & algorithms and its application in software design & development
- Web security
- Experience with container based application development and troubleshooting, testing and maintenance of the existing software, including applications, databases, interfaces and new functionalities. Containerization and Container Orchestration tools (Docker & Kubernetes), Architecting Micro service applications.
- Knowledge of Databases (MySql, PostgreSQL, Cassandra, Redis, Mongo DB)
- Parallel Data Processing Engines (Apache Spark).
- Experience with Cloud Environments like AWS / Azure / GCP.
- Knowledge of Testing & debugging tool and version control system (GIT)
- Knowledge of web server configuration for Wildfly, Tomcat.

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- Knowledge of IDE (Netbeans, Eclipse, IntelliJ, SpringTool Suite, VSCode, React, Angular)
- Knowledge of NGINX and HA Proxy.
- Excellent communicator, team player who can work independently also

Qualification and Experience:

- BE/ B.Tech (CSE/IT) (with minimum 60% throughout the academics)
- 0-2 years of professional work experience post qualification.

Tags:

- JAVASCRIPT, REST, JAVA, JSP, Springboot, Hibernate, Micro services, cloud, No-SQL.

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Post Code- T0801 **Job Description** **Positions - 02**

Job Title	Location
Senior Hardware Design Engineer	New Delhi

Skill Set

- Good experience of digital and mixed signal circuit design.
- Having experience of board design with latest generation of Processor, ASIC, FPGA, CPLD, etc.
- Having experience of board design with interfaces like Electrical/Optical Ethernet, DDR3/4, Flash memories, PCIe, USB, UART, I2C, SPI, CAN, I/O devices like ADC, DACs etc.
- Hands on experience of schematic generation for high-speed design.
- Experience of closely working with CAD team for placement, layout and routing of high-speed and multi-layered PCB.
- Knowledge of various IPC PCB standards.
- Good knowledge on PCB design guidelines for SI/PI, high speed design & EMI/EMC.
- High speed board testing and debugging skills.
- Expertise on lab instruments: Oscilloscope, Logic Analyzer, Function Analyzer, etc.
- Experience of working with MCAD team to design mechanical enclosures.
- Develop PCB layer stack-up. Experience with high density layout
- Perform Co-design with FPGA and software design teams.
- Experience of working with board assembly team.
- Having experience of Component selection, BOM preparation and Indent.
- Collaborate with PCB fabricator to ensure designs meet manufacturability (DFM) and testability (DFT) standards
- Knowledge of Verilog/VHDL and Xilinx Design synthesis and analysis tools is an added advantage
- Assembled PCBs testing and debugging skills
- Ability to work in a team. Excellent communication skills.
- Provide field site deployment support/site visit

Qualification and Experience:

- B.E/B.Tech (ECE/EE/EI/ICE/VLSI/CE/CS) or ME/M.Tech (ECE/EE/EI/ICE/VLSI/CE/CS) (with minimum 60% throughout the academics)
- Experience 7 years+

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Post Code- T0802 **Job Description** **Positions - 02**

Job Title	Location
Hardware Design Engineer	New Delhi

Skill Set

- Strong exposure of digital and mixed signal circuit design.
- Having experience of board design with latest generation of Processor, ASIC, FPGA, CPLD, etc.
- Having experience of board design with interfaces like Electrical/Optical Ethernet, DDR3/4, Flash memories, PCIe, USB, UART, I2C, SPI, CAN, I/O devices like ADC, DACs etc.
- Hands on experience of schematic generation for high-speed design.
- Experience of closely working with CAD team for placement, layout and routing of high-speed and multi-layered PCB.
- Knowledge of various IPC PCB standards.
- Good knowledge on PCB design guidelines for SI/PI, high speed design & EMI/EMC.
- High speed board testing and debugging skills.
- Expertise on lab instruments: Oscilloscope, Logic Analyzer, Function Analyzer, etc.
- Experience of working with MCAD team to design mechanical enclosures.
- Develop PCB layer stack-up. Experience with high density layout
- Perform Co-design with FPGA and software design teams.
- Experience of working with board assembly team.
- Having experience of Component selection, BOM preparation and Indent.
- Collaborate with PCB fabricator to ensure designs meet manufacturability (DFM) and testability (DFT) standards
- Knowledge of Verilog/VHDL and Xilinx's Vivado tool is an added advantage
- Assembled PCBs testing and debugging skills
- Ability to work in a team. Excellent communication skills.
- Provide field site deployment support/site visit

Qualification and Experience:

- B.E/B.Tech (ECE/EE/EI/ICE/VLSI/CE/CS) or ME/M.Tech (ECE/EE/EI/ICE/VLSI/CE/CS) (with minimum 60% throughout the academics)
- Experience 4 years+

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Post Code- T0803 **Job Description** **Positions - 02**

Job Title	Location
PCB Design Engineer	New Delhi

Skill Set

- Strong exposure of digital and mixed signal circuit design
- Having experience of board design with latest generation of Processor, ASIC, FPGA, CPLD, etc
- Develop PCB layer stack-up. Experience with high density layout.
- Responsible for preparing circuit schematic and designing PCB layouts using PCB design software. Design PCB with compliance to EMI and safety requirement, coordinate with R&D design engineers.
- To lead the complex PCB design and analysis of new circuits and systems, selecting components to implement the design. Plan and perform PCB design.
- To Design and implement new PCB designs that meet the electrical, EMC, mechanical, thermal and DFA/DFM requirements of the system.
- Knowledge of various IPC PCB standards.
- PCB specs release and qualification.
- Fully document, archive and manage PCB database and parts library as required.
- Qualify primary and secondary PCB part sources.
- Produce PCB assembly BOMs as required.
- Interact with PCB vendors & procure prototype PCB materials as necessary
- Collaborate with PCB fabricator to ensure designs meet manufacturability (DFM) and testability (DFT) standards
- Expertise on lab instruments: DMM, Oscilloscope and other test equipment.
- Assembled PCBs testing and debugging skills
- Follow quality management system activities within the group.
- Ability to work in a team. Excellent communication skills.
- Provide field site deployment support/site visit

Qualification and Experience:

- B.E/B.Tech (ECE/EE/EI/ICE/VLSI/CE/CS) or ME/M.Tech (ECE/EE/EI/ICE/VLSI/CE/CS) (with minimum 60% throughout the academics)
- Experience 4 years+

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Post Code- T0804 **Job Description** **Positions - 02**

Job Title	Location
Senior Embedded Software Developer	New Delhi

Skill Set

- Experience in embedded software design and development, ARM architecture, Low Level C and ARM assembly programming in GNU environment, GNU build environment setup using opensource tools e.g., Yocto, Buildroot etc.,
- Bootloader and Secure Boot loader configuration, Custom Board bring-up.
- Experience in Bare-metal embedded software development especially device-driver and system software stack development, good knowledge of RTOS and Linux kernel internals (scheduler, memory management, concurrency/synchronization, memory allocation, file systems, networking, storage)
- Good experience in RTOS and Linux device driver development and support (USB, TCP/IP, Touch Display, Flash storage, I2C, Ethernet PHY-MII/MDIO etc.)
- Open-Source software integration and development.
- Experience in TCP/IP networking stack and USB stack development in Linux/RTOS environment.
- Python and Linux Shell scripting, SCM tools usage experience, e.g., Git
- Experience working with lab tools (Oscilloscope, Trace32 Debuggers, GNU GDB etc.), Linux and RTOS based application programming experience.
- Follow quality management system activities within the group.
- Ability to work in a team. Excellent communication skills.
- Provide field site deployment support/site visit

Qualification and Experience:

- B.E/B.Tech (ECE/CS/EE/EI/IT/ICE) or ME/M.Tech (ECE/CS/EE/EI/IT/VLSI/CE/ICE) (with minimum 60% throughout the academics)
- Experience 4 years+

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Post Code- T0805 **Job Description** **Positions - 02**

Job Title	Location
Embedded Software Developer	New Delhi

Skill Set

- Experience in embedded software design and development, ARM architecture, Low Level C and ARM assembly programming in GNU environment, GNU build environment setup using opensource tools e.g., Yocto, Buildroot etc.,
- Bootloader and Secure Boot loader configuration, Custom Board bring-up.
- Experience in Bare-metal embedded software development especially device-driver and system software stack development, good knowledge of RTOS and Linux kernel internals (scheduler, memory management, concurrency/synchronization, memory allocation, file systems, networking, storage)
- Good experience in RTOS and Linux device driver development and support (USB, TCP/IP, Touch Display, Flash storage, I2C, Ethernet PHY-MII/MDIO etc.)
- Open-Source software integration and development.
- Experience in TCP/IP networking stack and USB stack development in Linux/RTOS environment.
- Python and Linux Shell scripting, SCM tools usage experience, e.g., Git
- Experience working with lab tools (Oscilloscope, Trace32 Debuggers, GNU GDB etc.), Linux and RTOS based application programming experience.
- Follow quality management system activities within the group.
- Ability to work in a team. Excellent communication skills.
- Provide field site deployment support/site visit

Qualification and Experience:

- B.E/B.Tech (ECE/CS/EE/EI/IT/ICE) or ME/M.Tech (ECE/CS/EE/EI/IT/VLSI/CE/ICE) (with minimum 60% throughout the academics)
- Experience 2 years+

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Post Code- T0806 **Job Description** **Positions - 02**

Job Title	Location
Senior Embedded Platform and Device Driver Software Developer	New Delhi

Skill Set

- Experience in embedded software design and development, ARM architecture, Low Level C and ARM assembly programming in GNU environment, GNU build environment setup using opensource tools e.g., Yocto, Buildroot etc.,
- Bootloader and Secure Boot loader configuration, Custom Board bring-up
- Experience in embedded software development especially device-driver and system software stack development, good knowledge of Linux kernel internals
- Hands-on experience in Linux device driver development and support (TPM, Touch Display, Camera, Audio, I2C, Wifi, Bluetooth, Ethernet PHY-MII/MDIO etc.)
- Open-Source software integration and development.
- Knowledge of VOIP, SIP, Audio/Video Codecs, etc. is desirable
- Experience in Python and Linux Shell scripting, SCM tools usage experience, e.g. Git
- Experience working with lab tools (Trace32 Debuggers, GNU GDB etc.), Linux based application programming experience
- Follow quality management system activities within the group.
- Ability to work in a team. Excellent communication skills.
- Capable to support field site deployment support/site visit

Qualification and Experience:

- B.E/B.Tech (ECE/CS/EE/EI/IT/ICE) or ME/M.Tech (ECE/CS/EE/EI/IT/CE/ICE) (with minimum 60% throughout the academics)
- Experience 4 years+

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Post Code- T0807 **Job Description** **Positions - 02**

Job Title	Location
Embedded Platform and Device Driver Software Developer	New Delhi

Skill Set

- Experience in embedded software design and development, ARM architecture, Low Level C and ARM assembly programming in GNU environment, GNU build environment setup using opensource tools e.g., Yocto, Buildroot etc.,
- Bootloader and Secure Boot loader configuration, Custom Board bring-up
- Experience in embedded software development especially device-driver and system software stack development, good knowledge of Linux kernel internals
- Hands-on experience in Linux device driver development and support (TPM, Touch Display, Camera, Audio, I2C, Wifi, Bluetooth, Ethernet PHY-MII/MDIO etc.)
- Open-Source software integration and development.
- Knowledge of VOIP, SIP, Audio/Video Codecs, etc. is desirable
- Experience in Python and Linux Shell scripting, SCM tools usage experience, e.g. Git
- Experience working with lab tools (Trace32 Debuggers, GNU GDB etc.), Linux based application programming experience
- Follow quality management system activities within the group.
- Ability to work in a team. Excellent communication & documentation skills.
- Capable to support field site deployment support/site visit

Qualification and Experience:

- B.E/B.Tech (ECE/CS/EE/EI/IT/ICE) or ME/M.Tech (ECE/CS/EE/EI/IT/CE/ICE) (with minimum 60% throughout the academics)
- Experience 2 years+

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Post Code- T0808 **Job Description** **Positions - 02**

Job Title	Location
Federated Learning Application Software Developer	**New Delhi**

Skill Set

- Experience of writing robust code in Python, NLP, Knowledge of AI/ML specially Federated Learning as Privacy Enhancing Technology
- Familiarity with machine learning algorithms and use of AI/ML frameworks such as TensorFlow or Keras
- Hands-on experience in GPU programming is preferred
- Working knowledge of MySQL and RDBMS
- Preference for experience in embedded software design and development on ARM architecture, Low Level C and ARM assembly programming in GNU environment, GNU build environment setup using opensource tools e.g., Yocto, Buildroot etc.,
- Open-Source software integration and development on embedded systems
- Experience in Python and Linux Shell scripting, SCM tools usage experience, e.g. Git
- Experience working with lab tools (Trace32 Debuggers, GNU GDB etc.), Linux based application programming experience
- Follow quality management system activities within the group.
- Ability to work in a team. Excellent communication & documentation skills.
- Capable to support field site deployment support/site visit

Qualification and Experience:

- B.E/B.Tech (ECE/CS/EE/EI/IT) or ME/M.Tech (ECE/CS/EE/EI/IT/CE) (with minimum 60% throughout the academics)
- Experience 2 years+

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Post Code- T0809 **Job Description** **Positions - 13**

Job Title	Location
Senior FPGA Design Engineer	**New Delhi**

Skill Set

- RTL coding and simulation in Verilog, VHDL or System Verilog.
- Good coding skills in C, C++, and open computing language (OpenCL)
- Good knowledge of Xilinx /Intel-Altera FPGA architecture
- Exp. with FPGA synthesis tool- Xilinx Vivado, Altera Quartus II or similar, IP Core development, High level synthesis design flow, Logic acceleration & optimization
- Experience in creating placement and timing constraints, synthesis, place and route, static timing analysis, DRC/linting analysis, FPGA Timing closure and clock-domain-crossing analysis.
- Good knowledge of Linux operating system internals and experience in Linux device driver development.
- Knowledge of AMBA-AXI, PCI-E Gen 4, Ethernet, I2C, SPI, MII/MDIO interfaces.
- Knowledge of TCP/IP Protocol Suite, Control Protocol such as BGP, IPFIX protocol, DNS, DHCP, HTTP, HTTPs, SIP etc.
- Knowledge of IP packet debugging tools such as Wireshark, Tcpdump, ping, traceroute, nmap, hping etc.
- Good knowledge of Ethernet/IP packet capture, packet parsing & striping, packet de-duplication, payload compression & decompression, encryption & decryption etc. to be implemented using HDL for FPGA.
- Experience with High speed network interface (SFP/QSFP) design in FPGA
- Selected candidates will be responsible to work on FPGA hardware and development tools to accelerate various functions of an application using FPGA offloading.
- Exposure to OpenCL and high level synthesis on FPGA platforms is desirable

Qualification and Experience:

- B.E/B.Tech (ECE/CS/EE/EI/IT/VLSI) or ME/M.Tech (ECE/CS/EE/EI/IT/VLSI/CE) (with minimum 60% throughout the academics)
- Experience 4 years+

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Post Code- T0810 **Job Description** **Positions - 12**

Job Title	Location
FPGA Design Engineer	New Delhi

Skill Set

- RTL coding and simulation in Verilog, VHDL or System Verilog.
- Good coding skills in C, C++, and open computing language (OpenCL)
- Good knowledge of Xilinx/Intel-Altera FPGA architecture
- Exp. with FPGA synthesis tool- Xilinx Vivado, Altera Quartus II or similar, IP Core development and integration
- Experience in creating placement and timing constraints, synthesis, place and route, static timing analysis, DRC/linting analysis, FPGA Timing closure and clock-domain-crossing analysis.
- Good knowledge of Linux operating system internals and experience in Linux device driver development.
- Knowledge of AMBA-AXI, PCI-E Gen 4, Ethernet, I2C, SPI, MII/MDIO interfaces.
- Knowledge of TCP/IP Protocol Suite, Control Protocol such as BGP, IPFIX protocol, DNS, DHCP, HTTP, HTTPs, SIP etc.
- Knowledge of IP packet debugging tools such as Wireshark, Tcpdump, ping, traceroute, nmap, hping etc.
- Good knowledge of Ethernet/IP packet capture, packet processing using HDL for FPGA.
- Selected candidates will be responsible to work on FPGA hardware and development tools to accelerate various functions of an application using FPGA offloading.

Qualification and Experience:

- B.E/B.Tech (ECE/CS/EE/EI/IT/VLSI) or ME/M.Tech (ECE/CS/EE/EI/IT/VLSI/CE) (with minimum 60% throughout the academics)
- Experience 2 years+

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Post Code- T0811 **Job Description** **Positions - 02**

Job Title	Location
Big-Data Processing Expert-1 (Kafka & Spark)	New Delhi

Skill Set:

- In-Depth Knowledge of Technologies such as KAFKA and SPARK for Big-Data Processing of Live Data streams
- In-Depth Knowledge of the Distributed Systems (Replication, Partitioning, Consistency, etc.), Apache Kafka, Kafka Connector and Apache Zookeeper.
- In-depth Understanding of the Big Data Cluster, Spark Applications, Spark and Spark-related functionality.
- In-depth Understanding of the RDD, Data Frames and Dataset - the major building blocks of Spark.
- In-depth Knowledge of the Spark Streaming and Structured Streaming of Spark along with Spark Machine learning libraries.
- Knowledge of Numpy, Pandas and other Python Statistical and ML libraries for data science and advanced mathematical functions.
- Knowledge of ML models including supervised/unsupervised, Deep learning and frameworks such as Keras or TensorFlow.
- Basic understanding of virtualization (bare metal or OS) and containerization.
- Knowledge of TCP/IP with understanding and analysing capability of major networking protocols including latest TLS.
- Understanding of SQL syntax and queries.
- Having experience of working with Kafka (Producer/Consumer/Topics/ Connectors/Kafka Stream) (Preferable language JAVA or SCALA) with Optimized performance. Knowledge of librdkafka.
- Having experience in monitoring & analyzing java-based application with some tools like jconsole etc.
- Having experience in Bash scripting or Python Script to build/run any Test Case for testing of the Kafka.
- Having experience in troubleshooting and interpretation of the Logs for Kafka and Spark.
- Experience in writing Spark Applications in any of the languages like JAVA, SCALA, or Python with different libraries like MLIb, Spark Streaming, and SQL Data frame API, GraphX library.
- Having experience to install, maintain, troubleshoot Kafka Cluster, Spark Cluster, Spark Application individually as well as in integrated Big Data Pipeline form and optimization for better performance based on the Workload.
- Experience in kernel tuning and JVM debugging.
- Experience on ML programming including feature engineering, correlation matrix, model selection, cross validation and performance comparisons using precision, accuracy and recall.
- Experience in GPU programming.

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- Experience/knowledge of development using RAPIDS AI.
- Data analytical capability to understand the new behaviour and design the algorithm of the same.

Qualification and Experience:

- BE/ B.Tech (CS/IT) or ME/ M.Tech (CS/IT) (with minimum 60% throughout the academics)
- Experience 7 years+

Desirable:

- Certification in Big Data processing and live AI/ML analytic.
- Certification in Big data cluster deployment, management and monitoring.
- Basic Knowledge of Cyber threat landscape and latest threat scenarios along with Mitre framework.

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Post Code- T0812 **Job Description** **Positions – 02**

Job Title	Location
Big-Data Processing Expert-2 (ELK)	New Delhi

Skill Set:

- In-Depth Knowledge of Technologies such as ELK (Elasticsearch, Logstash, Kibana) for Efficient Search and analytics on Big-data Pipelines
- Familiar with the ELK Stack version above than 7 and In-depth knowledge of the ELK Architecture (Elastic Hot, Warm, Cold, Coordination nodes, etc.) with knowledge in Data Science.
- In depth knowledge of the Elastic Indexing Pattern, ILM policy decision, Indices management, cross-cluster search & replication.
- Basic understanding of virtualization (bare metal or OS) and containerization.
- Having experience in Elasticsearch Clustering, Indexing, Aggregation, Performance optimization including faster Indexing and Search response based on work load, Elasticsearch Rest APIs.
- Having experience in DSL query and Optimized query building for heavy data.
- Experience with the Setup of the End-to-End SECURED ELK (Elasticsearch, Logstash, Kibana) stack.
- Having experience to debug and process the details of the Log for ELK Stack Management.
- Having experience with scripting (i.e., JavaScript, Groovy, Python, Bash, etc.) and working from the command line in a Linux environment.
- Having experience in Bash Scripting or Python Scripting for the cluster setup or the knowledge of Ansible.
- Experience with No SQL database, JSON format, JAVA.
- Expertise in Design, Develop and Deploy highly scalable ELK stack Solutions.
- Having experience in Load testing and Performance optimization of ELK stack.
- Having experience in Recovery of ELK Stack Cluster, Shards and the data after any Fault.
- Having experience in Designing/Implementing the Kibana Dashboard to interpret the new behavior from the data.

Qualification and Experience:

- BE, B.Tech (CS/IT) or ME/ M.Tech (CS/IT) (with minimum 60% throughout the academics)
- Experience 7 years+

Desirable:

- Certification in ELK cluster deployment, management and monitoring

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Post Code- T0813 **Job Description** **Positions - 02**

Job Title	Location
Packet Processing/ Linux Developer	New Delhi

Skill Set

- Good understanding of OS, Kernel, Drivers. Kernel parameter tuning, Network socket and buffer tuning etc.
- Knowledge of OSI model and TCP/IP stack with major networking protocols.
- Understanding of IPFIX protocols with advanced features (element ids), PENs, with metering and export process.
- Understanding of pattern/signature matching, payload extraction using offset for DPI.
- Understanding of SSL/TLS encryption with TLS 1.3
- Experience in C/C++ (with OOP based approach)
- Experience of implementation of data structure i.e., queues, lists, stacks, graphs, trees etc.
- Experience of architecture design for packet processing applications.
- Experience of multi-threaded architecture and implementation of the same.
- Working knowledge of packet processing including reading, decoding and processing to convert them into flows for adding into application
- Experience of debugging tools such GDB for debugging the application. Fixing the Code for memory leakage, CPU usage issues and security fixes. Working knowledge of. Coverity for scanning the application for vulnerabilities and standards such as OWSAP for code review.
- Experience with protocol analysing tools such as Wireshark and Tcpdump and traffic bandwidth like Iptraff-ng
  Good experience of working on Linux.

Qualification and Experience:

- BE, B.Tech (CS/IT) or ME/ M.Tech (CS/IT) (with minimum 60% throughout the academics)
- Experience 7+ years

Desirable:

- Knowledge of Kernal by pass, zero copy. Application integration with FPGA. Network based FPGA programming

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Post Code- T0901 **Job Description** **Positions: 4**

Job Title	Location
M2M Communication	**Delhi**

Roles & Responsibilities:

- Support and Enhancements in IOT Platform
- REST API based development
- Perform functionality testing, integrated testing

Skills and Abilities:

Should have

Expert Knowledge in

- OOPs concepts, Data structures and Algorithms
- Microservices, maven
- Junit

Good Knowledge of

- Java, J2EE
- Application and web server
- Eclipse, GIT
- RESTful APIs
- XSD, JSON/XML
- Postgre DB

May have knowledge of

- Docker containers/Kubernetes
- PKI, TLS Security
- DTLS

Qualification and Experience:

- BE/ B.Tech (CSC/IT/ECE) (with minimum 60% throughout the academics)
- 3 + years of professional work experience post qualification.

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Post Code- T1401 **Job Description** **Positions: 06**

Job Title	Location
Baseband Hardware and RRH Digital Frontend	**Bangalore**

Skill Set:

- Computer Architecture, Digital Logic, Processor/FPGA/SoC interfacing
- Expertise in hardware design (Circuit Design and Analysis, PCB, Devices, Signal and power integrity, interface with CAD/VDG/EPG)
- Testing and debugging tools, Signal generator/analyzers, Logic Analyzers
- Knowledge of industry standards, standardization
- Good understanding of 3GPP wireless standards

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code- T1402 **Job Description:** **Positions: 8**

Job Title	Location
RRH Analog and RF Hardware	**Bangalore**

Skill Set:

- Computer Architecture, Digital Logic, Processor/FPGA/SoC interfacing
- Expertise in hardware design (Circuit Design and Analysis, PCB, Devices, Signal and power integrity, interface with CAD/VDG/EPG)
- Ability to learn and use RF analysis and design tools
- Testing and debugging tools, Signal generator/analyzers, Logic Analyzers
- Knowledge of industry standards, standardization
- Good understanding of 3GPP wireless standards

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code- T1403 **Job Description: Positions : 6**

Job Title	Location
RRH Signal Processing in FPGA	**Bangalore**

Skill Set:

- Computer Architecture, Digital Logic, Processor/FPGA/SoC interfacing
- Knowledge in hardware design (Circuit Design and Analysis, PCB, Devices, Signal and power integrity, interface with CAD/VDG/EPG)
- Expertise in FPGA Development – Tools for FPGA development, Timing analysis, Languages (VHDL/Verilog), Simulation, Modeling, Programming
- Matlab and Simulink and equivalent tools
- Ability to learn and use RF analysis and design tools
- Testing and debugging tools, Signal generator/analyzers, Logic Analyzers
- SDR concepts, Waveforms, Digital Filters, Interfacing with IP from other vendors.
- Knowledge of industry standards, standardization
- Good understanding of 3GPP wireless standards

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code- T1404 **Job Description: Positions: 4**

Job Title	Location
OS and Board Support Package	**Bangalore**

Skill Set:

- System Engineering Aspects,
- Testing and debugging tools, Signal generator/analyzers, Logic Analyzers
- Configuration Management, Scripting, Build and Development environment
- Able to work with Product integration and testing like functional testing, load testing, Stability testing, Regression testing etc
- Processors, Devices, SoCs, FPGA, on-board devices and interface devices.
- Operating Systems, distributions, packaging, devices, kernels, device drivers, data plane development, uboot, compilation, linking, loading
- C/C++ programming skills along with scripting.
- Power-on self test.

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code- T1405 **Job Description:** **Positions: 6**

Job Title	Location
Physical Layer/ Layer-1 Development	**Bangalore**

Skill Set:

- Knowledge of LTE / UMTS / WCDMA / HSDPA/ 5G or WLAN standards in the physical layer and future developments within 3GPP, OFDM, MIMO
- Testing and debugging tools
- Experience with handling of specific test equipment (signal generator, signal analyser, logic analyser and pattern generator) is beneficial
- Expertise in FPGA Development – Tools for FPGA development, Timing analysis, Languages (VHDL/Verilog), Simulation, Modeling, Programming
- Matlab and Simulink and equivalent tools
- DSP Programming skillset preferred
- C/C++ programming skills along with scripting.
- Unix Network Programming
- Data Structures and Algorithms
- Good understanding of 3GPP wireless standards

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code- T1406 **Job Description:** **Positions: 8**

Job Title	Location
3GPP Layer-2/Layer-3/RRM	**Bangalore**

Skill Set:

- Testing and debugging tools
- Configuration Management, Scripting, Build and Development environment
- Able to work with Product integration and testing like functional testing, load testing, Stability testing, Regression testing etc
- C/C++ programming skills along with scripting.
- Unix Network Programming
- Data Structures and Algorithms
- Design Patterns
- Familiarity with Protocol Stack Development
- Good understanding of 3GPP wireless standards

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code- T1407 **Job Description: Positions: 6**

Job Title	Location
System Management (OAM/FCAPS)	**Bangalore**

Skill Set:

- Testing and debugging tools
- Configuration Management, Scripting, Build and Development environment
- Able to work with Product integration and testing like functional testing, load testing, Stability testing, Regression testing etc
- C/C++ programming skills along with scripting.
- Unix Network Programming
- Data Structures and Algorithms
- Design Patterns
- Familiarity with Protocol Stack Development
- Embedded Database based systems (mySQL, PostgreSQL)
- System level understanding of network element.
- Good understanding of 3GPP wireless standards

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code- T1408 **Job Description:** **Positions: 2**

Job Title	Location
Self-Organizing Network	**Bangalore**

Skill Set:

- Testing and debugging tools
- Configuration Management, Scripting, Build and Development environment
- Able to work with Product integration and testing like functional testing, load testing, Stability testing, Regression testing etc
- C/C++ programming skills along with scripting.
- Unix Network Programming
- Data Structures and Algorithms
- Design Patterns
- Familiarity with Protocol Stack Development
- Good understanding of 3GPP wireless standards

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code- T1409 **Job Description:** **Positions: 3**

Job Title	Location
Element Management System	**Bangalore**

Skill Set:

- Testing and debugging tools
- Configuration Management, Scripting, Build and Development environment
- Able to work with Product integration and testing like functional testing, load testing, Stability testing, Regression testing etc
- C/C++ programming skills along with scripting.
- Unix Network Programming
- Data Structures and Algorithms
- JAVA Language
- Web Developement (JSP,JavaScript,AJAX, HTML,Application Server, Web Server
- Database (Knowledge of Oracle or MySql orPostgres)
- ORM Framework
- Framework (Sping Boot, Structs, BOOTSTRAP)

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code- T1410 **Job Description:** **Positions: 1**

Job Title	Location
Cabinet Power and Accessories	**Bangalore**

Skill Set:

- Computer Architecture, Digital Logic, Processor/FPGA/SoC interfacing
- Expertise in hardware design (Circuit Design and Analysis, PCB, Devices, Signal and power integrity, interface with CAD/VDG/EPG)
- Testing and debugging tools, Signal generator/analyzers, Logic Analyzers
- Knowledge of industry standards, standardization
- Systems engineering, thermal engineering, batteries, power aspects.
- Antennas
- Good understanding of 3GPP wireless standards

Qualification and Experience:

- B.Tech(CS/EC)/B.E (CS/EC)/M.Tech(CS/EC)/M.E.(CS/EC) /PhD (in relevant areas) (with minimum 60% throughout the academics)
- Minimum 2 years in Research and Development

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Post Code – T1501 **Job Description** **Positions - 02**

Job Title	Location
IT Support (Linux)	New Delhi

Roles & Responsibilities:

- Installation, Configuration and Maintenance of Linux based PCs (RHEL, Ubuntu, CentOS etc) and Servers .
- Installation, Configuration and Maintenance of Printers, Laptops and Peripherals devices and related software.
- Should be able to maintain Intel based PC hardware & Printers.
- Rack Mounting of servers and related peripherals.

Skill Set:

- Install, configure, update and maintain Linux based system.
- Install, configure and maintain Local/Network Printers.
- Maintenance of Intel based PCs and Servers.
- Installation of Linux software packages and related configuration for Client/Server setup.
- Regular update of Patches, Hot fixes, Virus signatures and updating of related software.
- Network Configuration in Linux based PCs and servers.
- Troubleshooting of day-to-day problems related to working of PCs / Printers/Network on different versions of Linux.
- Scripting skill is required for automation.
- Installation of Linux software packages and related configuration for Client/Server setup.
- Basic knowledge and fair understanding of cloud technologies.

Qualification and Experience:

- B.Tech(IT/CS/EC)/B.E (IT/CS/EC) (with minimum 60% throughout the academics)
- Minimum 1 year experience

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Post Code - T1502 **Job Description** **Positions - 01**

Job Title	Location
IT Support (Windows)	New Delhi

Roles & Responsibilities:

- Installation, Configuration and Maintenance of Windows based PCs (Windows 8, 10, 11) and servers(Windows servers 2012 and higher versions) ,
- Installation, Configuration and Maintenance of Printers, Laptops and Peripherals devices and related software.
- Should be able to maintain Intel based PC hardware.
- Should be able to maintain Printers

Skill Set:

- Install, configure, update and maintain windows based systems(PCs and Servers).
- Install, configure and maintain Local/Network Printers.
- Maintenance of Intel based PCs.
- Installation of Windows software packages and related configuration for Client/Server setup.
- Regular update of Patches, Hot fixes, Virus signatures and updating of related software.
- Network Configuration in windows based PCs and Servers.
- Troubleshooting of day-to-day problems related to working of PCs/servers/ Printers/Network on different versions of Windows/Linux.
- Basic knowledge and understanding of cloud technologies.

Qualification and Experience:

- B.Tech(IT/CS/EC)/B.E (IT/CS/EC) (with minimum 60% throughout the academics)
- Minimum 1 year experience

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C-DOT

Post Code - T1503 **Job Description** **Positions - 02**

Job Title	Location
Technical Support Engineer (Cloud Technology Support - L2)	New Delhi

Roles & Responsibilities:

- Support of Openstack framework modules i.e. Neutron, Nova, Cinder, etc Create and maintain new CI/CD pipelines using Jenkins/ Other CI/CD pipeline tools.
- Infrastructure automation via Ansible to make deployment quick and easy. Implement cluster monitoring via beats, fluentd, kibana using ELK Stack. Implement data processing pipeline using logstash.
- Develop new tools or utilities via Linux tools like SED, AWK, etc, which will help in administration of the cluster.
- Create, Manage, Operate and Administer the Openstack Cloud and Other Kubernetes platforms with Admin rights in a multi-tenant environment.
- Ensure accurate working, Provide Planning and Design Support of Cloud. Handle emergencies and if required coordinate with Emergency response team.

Skill Set:

- Excellent knowledge of OpenStack, components. Excellent Linux system, administration and troubleshooting, skills.
- Experience of deploying and extending of OpenStack component. Openstack Networking (Neutron) Openstack Compute (Nova) Openstack Cinder (Block Storage) Openstack Keystone (Authentication). Good working knowledge of OpenStack tools like Glance, Swift, Cinder, Keystone, etc
- Good knowledge of database like MySQL, MongoDB. Knowledge of container technologies such as Docker and Kubernetes
- Experience with configuring and extending monitoring tools (Nagios/ Ganglia/Zabbix).
- Experience working with configuration management tools (Chef/ Puppet/Cobbler).
- Automation and CI/CD tooling – Ansible/chef/puppet/terraform/vault, git/Jenkins/docker/repository management etc.
- Test components for cloud
- Troubleshooting OpenStack/ Kubernetes deployment and fixing bugs in OpenStack/ Kubernetes components.
- Strong experience in Linux platforms including networking of Openstack & Kubernetes. Good working knowledge with iptables, IPv6 and LVM. Good command over linux networking commands e.g. ip, ifconfig, brctl, etc.

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System Administration on Linux (Ubuntu, Redhat Enterprise Linux, CentOS, etc.).

- Good knowledge of editors like vi, sed, awk. Good knowledge of python and shell scripting.
- Able to configure and manage RBAC policies via Redhat IDM/FreeIPA etc.
- Knowledgeable about the concepts of etcd and other backend API communication of Kubernetes and able to operate a Kubernetes cluster.

Qualification and Experience:

- B.Tech (IT/CS/EC)/B.E (IT/CS/EC) / MCA (with minimum 60% throughout the academics)
- OpenStack/DevOps – Total 4+ Years of overall experience with at least 2+ years of experience around OpenStack/ Kubernetes Components and its APIs (2 nos.)

Desirable Attributes:

- Knowledge of Kubernetes platform like Redhat OpenShift/Rancher etc. Ability to configure/manage Kubernetes clusters on public cloud and on-prim environment.
- Ability to work independently and work within well-defined system support to ensure priorities faults to meet SLA/WLA.
- Deep understanding of Cloud Architecture and Kubernetes platform.
- Knowledge of Openstack /Kubernetes CSI solutions integration with multiple vendors and solutions like storage (SAN, NAS) and networking (SDN controller).
- Knowledge of Service Mesh platform like Istio etc.

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सी-डॉट C-DOT

Post Code - T1504 **Job Description** **Positions - 02**

Job Title	Location
Technical Support Engineer (Cloud Technology Support - L1)	New Delhi

Roles & Responsibilities:

- Support of Openstack framework modules i.e. Neutron, Nova, Cinder, etc Create and maintain new CI/CD pipelines using Jenkins/ Other CI/CD pipeline tools.
- Infrastructure automation via Ansible to make deployment quick and easy. Develop new tools or utilities via Linux tools like SED, AWK, etc, which will help in administration of the cluster.
- Operate and Administer the Openstack Cloud and Other Kubernetes platforms with Admin rights in a multi-tenant environment.
- Ensure accurate working, Provide Planning and Design Support of Cloud. Handle emergencies and if required coordinate with Emergency response team
-

Skill Set:

- Fair knowledge of OpenStack, components. Excellent Linux system, administration and troubleshooting, skills.
- Experience of deploying and extending of OpenStack component. Openstack Networking (Neutron) Openstack Compute (Nova) Openstack Cinder (Block Storage) Openstack Keystone (Authentication).
- Fair working knowledge of OpenStack tools like Glance, Swift, Cinder, Keystone, etc
- Knowledge of container technologies such as Docker and Kubernetes Automation and CI/CD tooling – Ansible/chef/puppet/terraform/vault, git/Jenkins/docker/repository management etc.
- Troubleshooting OpenStack/ Kubernetes deployment and fixing bugs in OpenStack/ Kubernetes components.
- Fair experience in Linux platforms including networking of Openstack & Kubernetes.
- Fair working knowledge with iptables, IPv6 and LVM.
- Fair command over linux networking commands e.g. ip, ifconfig, brctl, etc. System Administration on Linux (Ubuntu, Redhat Enterprise Linux, CentOS, etc.).
- Fair knowledge of editors like vi, sed, awk.
- Fair knowledge of python and shell scripting.
- Able to configure and manage RBAC policies via Redhat IDM/FreeIPA etc.
- Knowledgeable about the concepts of etcd and other backend API communication of Kubernetes and able to operate a Kubernetes cluster.

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Qualification and Experience:

- B.Tech (IT/CS/EC)/B.E (IT/CS/EC) / MCA (with minimum 60% throughout the academics)
- OpenStack/DevOps – Total 2+ Years of overall experience with at least 1+ years of experience around OpenStack/ Kubernetes Components and its APIs (2 nos.)

Desirable Attributes:

- Fair Knowledge of Kubernetes platform like Redhat OpenShift/Rancher etc. Ability to configure/manage Kubernetes clusters on public cloud and on-prim environment.
- Ability to work independently and work within well-defined system support to ensure priorities faults to meet SLA/WLA.
- Understanding of Cloud Architecture and Kubernetes platform.

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Post Code - M0101 **Job Description** **Positions - 01**

Job Title	Location
Manager – Media Coordination	New Delhi

Summary:

To manage and maintain our relationships with TV channels, print media, Radio and other relevant outlets to promote and showcase achievements of C-DOT and promote technologies that solve problems of common man. The successful candidate will have a proven track record in building strong media relationships, a solid understanding of media trends, and excellent communication and negotiation skills.

Skill Set:

- Develop and implement media relations strategies to increase the visibility of the company in target media outlets
- Build and maintain strong relationships with journalists, editors, producers, and other media professionals
- Pitch and coordinate media coverage of company events, product launches, and other key initiatives
- Monitor and analyse media coverage of the company and its competitors, and provide regular reports to management
- Provide media training to key company spokespeople and prepare them for media interviews
- Create and distribute press releases, media kits, and other materials to targeted media outlets
- Coordinate and manage media events, including press conferences, media tours, and interviews
- Manage the company's social media presence and engage with followers and influencers
- Maintain a database of media contacts and regularly update it with new information
- Evager on digital marketing platform

Qualification and Experience:

- Any degree with MBA in Marketing / Media Management/ Digital Marketing / Related specialization (with minimum 60% throughout the academics)
- 10+ years of experience in media relations or a related field

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Desirable:

- Strong network of media contacts and a deep understanding of media trends and dynamics
- Excellent verbal and written communication skills
- Strong project management skills and ability to work under tight deadlines
- Demonstrated ability to work independently and as part of a team
- Strong attention to detail and ability to multitask
- Familiarity with social media platforms and tools
- Digital Marketing Skills