

| Indian Financial Technology & Allied Services | | | |
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| Job Description | | | |
| I | Role Summary | | Remarks |
| (a) Title: | Network Architect - Network & Communication (Wireless & Infrastructure) | | T2 |
| (b) Business/Function: | Network & Communication | | |
| (c) Band / Designation: | TBD | | T2 |
| (d) Location: | Hyderabad/Mumbai | | |
| (e) Reports to: | | | |
| (f) Team: | Network & Communications - Projects | | |
| (g) Summary: | <ol style="list-style-type: none"> 1) A Wireless Network architect is responsible for architecting, planning, and designing Enterprise Wireless networks that meet our organizational needs. 2) Responsible for detailed solution design using modern architectural design principles and tools. 3) Provide implementation guidance based on best practices to the team throughout the life cycle of the project. 4) Should be an experienced solution-oriented engineer with good IT solutions design/development and architecture background. 5) Implementation experience in a Enterprise Wireless Networks and Network Security domains. 6) Should have excellent oral, written and presentation skills. | | |
| (h) Position Code: | | | |
| II | Additional Information | | |
| (a) Responsibilities: | <ol style="list-style-type: none"> 1) Architect, Plan and Design Enterprise Wireless networks 2) Evaluate the various design and architecture models of wireless network, and build continuous improvement, stabilization and resiliency roadmap. Responsible for aligning overall wireless network design and topology to Organizational IT strategies. 3) Build detailed presentations and engage with stake holders for solution acceptance and buy-in across various levels. 4) Undertake detailed budgeting activities by interacting with internal and external stakeholders including telecom/IT vendors, internal approval DoAs etc. 5) Detailed analysis of wireless network design including security standards 6) Responsible for overall Bid management process including creation of Wireless Networking RFI/RFP documents, ownership of bid processes and on-time completion of bid related activities. 7) Documentation of all Wireless Network related artifacts including drawings, descriptions, HLD, LLD, configurations etc. 8) Constantly network with OEMs, System Integrators, Network Integrators, resellers etc and build technology roadmap for adoption. Engage with above mentioned stakeholders for tailoring new solutions, conducting PoC and evaluating suitability across various communication use cases. 9) Conduct research on new technologies and participate in relevant forums. 10) Developing and implementing Wireless Networks and security policies and best practices 11) Ability to create presentation and write technical documents - Excellent presentation skills 12) Analyze gaps between current and targeted operating capabilities, and build technology roadmap. 14) Handle operational issues which require design/technical inputs. 15) Provide technical training and support for various network teams. | | |
| III | Requirements | | Classification |
| (a) Education: | B.E/ B.Tech, M.Tech/MCA (Computer/IT)/B.Sc (Computers) | | Mandatory |
| (b) Experience: | <ol style="list-style-type: none"> 1) 7-10 years of experience in designing core telecom technologies with a minimum of 5 years experience in wireless technologies especially Wi-Fi. Minimum 4 years hands on experience in enterprise wireless networking with IEEE 802.11 standards, encryption, WIDS/WIPS, rogue detection, 802.1x, RADIUS, EAP-TLS, wireless client chipset/driver, RF engineering for wireless planning, along with multi-vendor technologies. - Mandatory 2) Experience in operating and leading a large-scale network infrastructure using wireless Networking experience. - Mandatory 3) Extensive knowledge of 802.11 wireless standards, technologies, methodologies, and security practices. - Mandatory 4) Extensive experience and knowledge of Authentication, Authorization, and Accounting (AAA) protocols such as RADIUS and IEEE 802.1X standards. - Mandatory 5) Strong knowledge and working experience with access control, DPI, policy control, Netflow, IPFIX, IPDR, content filter, traffic shaping and policy enforcement solutions. - Mandatory 6) Extensive experience and knowledge of L2/L3 and wireless security features including access-lists, VACLs, firewalls, WPA, TKIP, CCKM, LEAP, etc. - Mandatory 7) Experience with various wireless tools such as Spectrum Analyzer, Protocol Analyzer, and Site Survey Tools and qualified in automation, tooling, and scripting (Ansible and python preferred). - Mandatory 8) Experience preparing both onsite and predictive wireless coverage (heat) maps and assessments, using survey applications. 9) Technical proficiency in QOS - Mandatory 10) Technical proficiency in wireless networks monitoring and management tools - Mandatory 11) Basic knowledge on LAN, WAN, and VPN technologies. - Mandatory 12) Proven understanding of TCP/IP (both IPv4/IPv6) and OSI Model. - Mandatory 13) Exceptional documentation skills that can clearly articulate technical designs, issues and constraints, procedures, and network assessments. - Mandatory 14) Experience with wireless supporting voice and video application. - Mandatory 15) Experience in vendor evaluation, negotiation and management - Mandatory 16) Relevant hands-on experience in designing, architecting and conducting PoC across modern wireless networks - Mandatory 17) Knowledge of standard approaches to information security and business continuity - Mandatory 18) Excellent communication and problem-solving skills. - Mandatory 19) Working knowledge on routing protocols, such as BGP, OSPF etc. - Desirable 20) Experience with virtualized implementation (SDN/NFV) of Network/Telco nodes under NFV, OpenStack, etc. - Desirable 21) Experience with telecommunication industry best practices on wireless network architecture, systems architecture, as well as product/service design and implementation strategies. - Desirable 22) Knowledge in Cyber Security, Data Networks, Load Balancers, Traffic Shapers, proxy solutions, DNS, DHCP - Desirable 23) Experience in Vulnerability Assessment and remediation - Desirable 24) Strong Unix/Linux system administrator or engineering experience. - Desirable 25) Strong Knowledge of 3GPP standard, Diameter, 4G-LTE/IMS network and 5G architecture. - Desirable 26) Good knowledge on emerging topics such as IOT/AI/ML - Desirable | | Specified within |
| (c) Certifications: | <ol style="list-style-type: none"> 1) CCIE or CCDE or equivalent in Wireless Networks - Mandatory 2) ITIL Foundation / ITIL Managing Professional (MP) / PMP - Desirable | | Specified within |
| (d) Knowledge: | <ol style="list-style-type: none"> 1) Expert knowledge in networking, data communications, information security, Cyber security, systems engineering and business continuity. - Desirable 2) Good knowledge on emerging topics such as IOT/AI/ML - Desirable 3) Good knowledge of security concepts e.g. ISO27001, ISMS, ITIL, GDPR or equivalent. | | Specified within |
| (e) Skills and Competencies: | <ol style="list-style-type: none"> 1) Excellent Network design and architecture skills with minimum 4 + years in Enterprise wireless technologies - Mandatory 2) Strong understanding of enterprise network systems, application level interfaces with network, and network security domains. - Mandatory 3) Understanding of Network operations environment and ability to provide technical inputs to Operational issues - Mandatory 4) Ability to perform under pressure - Mandatory 5) Problem-solving skills - Mandatory 6) Excellent interpersonal, communication and presentation skills - Mandatory 7) Highly-organized, self-motivated, leadership style of continuous improvement. 8) Should be well versed with ITIL and ITSM practices | | Specified within |