

RF Network Engineer

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Company: Trilliant

Location: chennai

Category: other-general

Trilliant offers a universal communications platform that is at the convergence of the smart grid, smart city, and global Industrial Internet of Things (IIoT) applications. We bring together multi-technology solutions, global capabilities, and mission-critical communications to deliver future-proof solutions. We are a device-agnostic, integrated, multi-technology communication platform that provides flexibility to balance technological capabilities with economic needs. Trilliant is committed to best-in-class solutions that empower our customers and their customers to connect to the world of things. We are an equal-opportunity employer offering comprehensive benefits and compensation packages with a selection of insurance programs. We have dynamic and collaborative work environments with some of the brightest employees in the world. We invest in people and provide opportunities for our employees to grow hand in hand with our business.

Job Description: The RF Network Engineer's primary responsibility is the design, deployment, and optimization of RF Communication Networks throughout the India and APAC Region. Working within a project team both locally and abroad, the RF Network engineer will coordinate and execute design and deployment activities including RF network design, in-field site survey & RF testing, device installation and deployment, network and device configuration, network optimization, field troubleshooting and maintenance of the network equipment. The RF Network Engineer will work with other members of the project team to test the complete system and end-to-end connectivity. This position will be reporting to the Director of Network Delivery.

Position Responsibilities: Create RF network design to determine network device locations by conducting RF analysis with RF simulation software. Configure and prepare

network devices for installation. Oversee and provide technical support for network device installation, including selection of accessories, cables, and brackets and ensuring proper installation guidelines are followed. Commission and monitor the RF network via a network element management system to ensure proper operations of network devices. Work as part of a team with other RF Engineers to create RF network design to determine network device locations by conducting RF analysis with RF simulation software. Determine the proper configuration of the network devices for end-to-end connectivity ie: IP addressing, DHCP settings, VLAN & VPN configurations, etc. Perform site surveys and validate the RF Performance of proposed network hardware network locations in the field before RF Network Deployment. Work with regional utility crews to determine the feasibility of the designed location in terms of site suitability, power availability, mounting heights, cabling requirements, etc. Provide remote and on-site technical support and troubleshooting and repair for various Trilliant wireless mesh and p2p/p2mp solutions. Monitor RF Network and perform statistical and spatial data analysis using GIS and RF simulation software to identify KPIs and performance trends, and propose improvement or mitigation strategies as appropriate. Perform end-to-end connectivity testing and troubleshooting of the networking components, including the core backhaul network and IT infrastructure. Create and maintain documentation summarizing RF Network designs, Network Performance, and other process-related documents. Participate in creating and delivering content for Customer Training programs. You may be required to perform on-call duties, when assigned, to support network maintenance or other efforts across multiple time zones (depending on the project) during off-hours, which could include nights, weekends, and holidays. Highly motivated, and able to take initiative and work independently with minimal supervision. Strong problem-solving and analytical skills - able to recognize problems, distill and define the pertinent issues, and determine and propose effective solutions. Strong interpersonal and teamwork skills - able to work efficiently with others of different backgrounds, ethnicities, and personalities on projects and towards a common goal. Able to self manage and organize to work on and manage multiple different projects and actions concurrently. Able to handle pressure and meet deadlines. Trilliant is a Global Organization requiring working hours to span multiple time zones – ability to handle work out of typical business hours is a must. Position Requirements: Experience in the design and deployment of RF Networks such as Mesh Networks, Cellular, Point-to-Point, or Point-to-Multipoint Systems. Specific Experience in deploying ISP and LPWAN Networks is an advantage. Solid understanding of core

Information Technology principles, basic electronics, and antenna theory. General computer skills are required (Windows, Linux, MS Office, Command Line Interfaces, MapInfo or similar GIS software). Experience with and solid understanding of IPv4/v6 networking is an advantage. Cisco certifications or Network certifications (CCENT/CCNA/ CompTIA Network+) is an asset. Ability to effectively facilitate team and client meetings. Ability to travel locally within India as well as within the wider APAC region and abroad. Excellent verbal and written communication and interpersonal skills in English. Education/Certifications: Minimum 3-5 years in RF Networking, IT Networking, or a related field. Post-secondary degree/diploma in a related field (Communications, Networking, Electronics). Trilliant Values: PASSIONATE- We find the right solutions for customers and exceed their expectations. ACCOUNTABLE- We work smart and tackle problems with urgency to get the job done. CONFIDENT- We look to the future and partner with each other to deliver world-class solutions. ENERGIZED- We are excited and support the growth and direction of Trilliant.

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