

**Job Summary:**

The Network Engineer's role is to ensure the stability and integrity of in-house voice, data, video, and wireless network services. This is achieved by planning, designing, and developing local area networks (LANs) and wide area networks (WANs) across the organization. In addition, the Network Engineer will participate with the installation, monitoring, maintenance, support, and optimization of all network hardware, software, and communication links. This individual will also analyze and resolve network hardware and software problems in a timely and accurate fashion, and provide end user training.

The Network Engineer will work within a team of IT Infrastructure personnel, as well as in conjunction with personnel from other teams and departments, to support the company's IT strategies and ensure the streamlined operation of the IT department in alignment with the company's business objectives.

**Job Responsibilities:**

- Installation, configuration and support of Network hardware, software and related infrastructure.
- Design and deploy LANs, WANs, and wireless networks, including routers, hubs, switches, UPSs, and other hardware.
- Design, implement, and maintain VOIP phone system to include phone servers, phones, and faxes
- Design, implement, and maintain Audio/Video systems
- Maintain and patch all other network hardware, software and operating systems
- Monitor system performance and availability. Maintain LAN and WAN infrastructure.
- Maintain all IT department control documents and asset management databases.
- Manage and administer Cisco Switches, VoIP, Wireless, Firewalls and Load balancers.
- Design, implement, Firewall (ie. iptables, pf, VLAN, NAT, routing, subnetting, VPN)
- Perform data backups and disaster recovery operations.
- Provide second tier IT support and backup the Help Desk IT Support technician.
- Provide alternating after-hours support every other month for network hardware and software for the team and the end-users.
- Work on strategic corporate projects and initiatives.
- Assisting in the supervision of the Help Desk IT Support position.
- Provide backup support for the Network and Systems Manager in managing and supporting the IT infrastructure.
- Work with Analysts, Administrators, and Testing teams to support configurations, code customizations, code migrations, and testing from System, Integration, User Acceptance and performance.
- Provide recommendations for automation with an eye on reducing network cycles in day-to-day operations
- Perform on-call duties as assigned

- Work overtime on occasion, as necessary and assigned
- Other duties and projects as assigned by the manager.

**Qualifications:**

- Five or more years of technology experience
- Cisco CNE, and Security equivalent experience
- Must be comfortable working in a fast-paced environment where roles and responsibilities change quickly
- Excellent communication skills and interpersonal skills
- Teamwork and collaboration
- Demonstrated expert knowledge of and experience with:
  - Cisco Switches such as: Catalyst 6000s, Nexus 7000s/5000s, etc.
  - F5, Fortinet, Load balancers and security devices;
- Demonstrated knowledge of:
  - Linux operating systems;
  - Windows Server operating systems;
  - Cisco networking hardware (eg. core switches, firewalls, UCS); and
  - F5 load balancers and FortiGate X00D appliances
  - Deep understanding of Quality of Services (QoS) and Class of Service (CoS)

**Additional skills:**

- Bachelor of Computer Science or equivalent is required. A combination of education and experience will be considered.
- Hands on experience with core technologies including Networking, Servers, and applications with a depth of experience in Data Center virtual technologies.
- Strong knowledge of Data Protection & Disaster Recovery technologies.
- Be a self-starter with the ability to learn new technologies quickly.
- Experience with public cloud platforms such as VMware, Hyper-v, Citrix, and OpenStack is desirable.
- Experience with scripting, orchestration and workflow tools is desirable.