Louisiana's
Community & Technical Colleges
Changing Lives, Creating Futures

Network Engineer

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 where required.

Duties and Responsibilities:

Strategy & Planning
- Collaborate with executive management and department leaders to assess near- and long-term network capacity needs.
- Create and maintain documentation as it relates to network configuration, network mapping, processes, and service records.
- Develop, implement and maintain policies, procedures, and associated training plans for network administration, usage, and disaster recovery.

Acquisition & Deployment
- Design and deploy company LANs, WANs, and wireless networks, including servers, routers, switches, UPSs, and other hardware.
- Design, implement, and support firewalls, site-to-site VPNs, and remote-access VPNs Conduct research on network products, services, protocols, and standards to remain abreast of developments in the networking industry.
- Oversee new and existing equipment, hardware, and software upgrades.
- Interact and negotiate with vendors, outsourcers, and contractors to secure network products and services.

Operational Management
- Configure networks to ensure their smooth and reliable operation for fulfilling business objectives and processes.
- Monitor network performance and troubleshoot problem areas as needed.
- Oversee installation, configuration, maintenance, and troubleshooting of end user workstation hardware, software, and peripheral devices.
- Ensure network connectivity of all servers, workstations, telephony equipment, fax machines, and other network appliances.
- Practice network asset management, including maintenance of network component inventory and related documentation and technical specifications information.
- Monitor and test network performance and provide network performance statistics and reports.
- Participate in managing all network security solutions.
- Perform server and security audits, and system backups and recovery

Position Requirements

Formal Education & Certification
- Bachelor's degree in computer science related field **OR** 5 years work experience.
- Cisco Certified Network Associate (CCNA) certification required, (Cisco Certified Network professional (CCNP) preferred).

Knowledge & Experience
- Proven experience and success with LAN, WAN, and WLAN design and implementation.
- Proven experience with network capacity planning, network security principles, and general network management best practices.
- Expert knowledge of core routing and switching design principles, best practices, and related technologies.
- Experience in implementing and managing voice over IP (VoIP) systems desired.
- Working technical knowledge of current network hardware, protocols, and Internet standards, including routers, switches (layer 2/3), firewalls, remote access, DNS, BGP, OSPF, EIGRP, VLAN, QoS, DSL, Frame Relay, and Metro Ethernet.
- Five to Seven (5-7) years' experience designing, implementing, managing and supporting enterprise level IP networks that include support of a heterogeneous distributed desktop computing environment required.
- Excellent hardware troubleshooting experience.
- Extensive application support experience with network monitoring and analysis software,
- Competence with testing tools and procedures for voice and data circuits.

Personal Attributes
- Strong interpersonal, written, and oral communication skills.
- Able to conduct research into networking issues and products as required.
- Ability to present ideas in user-friendly language.
- Highly self-motivated and directed, with keen attention to detail.
- Proven analytical and problem-solving abilities.
- Able to effectively prioritize tasks in a high-pressure environment.
- Strong customer service orientation.
- Experience working in a team-oriented, collaborative environment.

Additional Requirements:

A valid Louisiana Driver's License
Proof of motor vehicle insurance

In accordance with LCTCS Policy #6:036, a criminal history check will be conducted on all new hires. LCTCS participates in the federal E-Verify system for identification and employment eligibility purposes.

Compensation:

Compensation will be commensurate with education and work experience.

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Application Instructions:

Applicants for this position should submit:
1) a cover letter
2) resume (to include date(s) of employment and date(s) educational degree was obtained)
3) the names and contact information of three work-related references to:

Human Resources Specialist
Louisiana Community and Technical College System
265 S. Foster Drive
Baton Rouge, LA 70806

or via email to employment@lctcs.edu.

Applications will be accepted until position is filled.

For more information about the Louisiana Community and Technical College System, visit www.lctcs.edu. LCTCS is in partnership with Louisiana Economic Development FastStart and Louisiana Job Connection.