Network Engineer

Job Overview:

A Network Engineer is responsible for designing, implementing, and maintaining the computer network infrastructure of an organization. The Network Engineer plays a critical role in ensuring the smooth functioning of an organization's network and is responsible for managing and maintaining the network's performance, security, and reliability.

Responsibilities:

Design and implement the organization's computer network infrastructure.

Configure, install, and maintain network hardware and software components, including routers, switches, firewalls, and network security systems.

Monitor network performance, troubleshoot network issues, and optimize network performance.

Develop and implement network security measures to protect the organization's network from security threats and breaches.

Analyze network traffic and performance data to identify and address network issues, and optimize network performance.

Develop and implement disaster recovery plans and backup procedures to ensure network availability and data recovery in case of emergencies.

Collaborate with other IT professionals, including system administrators, database administrators, and security professionals, to ensure effective network performance and security.

Keep up-to-date with emerging network technologies and trends, and make recommendations for network upgrades and improvements.

Create and maintain network documentation, including network diagrams, configuration files, and other network-related documentation.

Participate in on-call support and respond to network emergencies as needed.

Requirements:

Bachelor's degree in computer science, information technology, or a related field.

Minimum of 3-5 years of experience in network engineering or a related field.

Strong understanding of network protocols and technologies, including TCP/IP, DNS, DHCP, VPN, VLAN, and Wi-Fi.

Proficiency in network hardware and software configuration and management, including routers, switches, firewalls, and network security systems.

Knowledge of network monitoring and management tools, such as SNMP, NetFlow, and Wireshark.

Experience with network security technologies, including firewalls, intrusion detection/prevention systems, and VPNs.

Strong analytical and problem-solving skills, with the ability to troubleshoot network issues and optimize network performance.

Excellent communication skills, with the ability to effectively communicate technical information to non-technical stakeholders.

Ability to work independently, as well as collaboratively as part of a team.

Relevant industry certifications, such as CCNA, CCNP, or CISSP, are a plus.