

Network Engineer Job Description Template

Overview of Network Engineer

A Network Engineer is an expert in charge of creating, establishing, and managing computer networks. They troubleshoot network issues, optimize performance, and ensure security measures are in place. Network Engineers possess expertise in networking protocols, hardware, and software. They collaborate with teams to develop scalable and efficient network solutions. A strong foundation in IT, problem-solving skills, and attention to detail are crucial for success in this role.

What Does a Network Engineer Do?

Are you a tech-savvy problem solver? We are seeking a competent Network Engineer to join our vibrant team and ensure the smooth operation of our network infrastructure.

In this role, you will play a critical role in designing, implementing, and maintaining our company's network infrastructure to ensure optimal performance, reliability, and security. You will work closely with cross-functional teams to support the organization's technology needs and contribute to the development of innovative solutions to enhance network efficiency.

If you are passionate about technology, enjoy tackling complex challenges, and have a knack for finding innovative solutions, then this role is perfect for you!

Network Engineer Responsibilities and Roles

- ❖ Developing and implementing computer networks, such as virtual private networks (VPNs), wide area networks (WANs), and local area networks (LANs).
- ❖ Installing, configuring, and maintaining network hardware and software, such as routers, switches, firewalls, and network monitoring tools.
- ❖ Troubleshooting network issues and resolving network outages or performance problems.
- ❖ Monitoring network performance and ensuring network availability and reliability.
- ❖ Performing network security audits and implementing network security measures to protect against unauthorized access, data breaches, and other security threats.

- ❖ Collaborating with other IT professionals, such as system administrators and software developers, to ensure seamless integration of network infrastructure with other systems.
- ❖ Conducting regular network capacity planning and recommending network upgrades or enhancements to meet the organization's future needs.
- ❖ Documenting network configurations, procedures, and troubleshooting steps to maintain an up-to-date network documentation repository.
- ❖ Keeping up-to-date with the latest networking technologies, trends, and best practices, and making recommendations for network improvements based on industry standards.
- ❖ Providing technical support and guidance to end-users, including troubleshooting network connectivity issues and assisting with network-related software or hardware installations.
- ❖ Participating in on-call rotations and responding to network emergencies or critical incidents outside of regular business hours.
- ❖ Collaborating with vendors and service providers to procure network equipment, software licenses, and maintenance contracts.
- ❖ Conducting network performance testing and analysis to identify bottlenecks and optimize network performance.
- ❖ Assisting in disaster recovery planning and implementing backup and recovery procedures for network infrastructure.
- ❖ Training and mentoring junior network engineers or IT staff members on network technologies and best practices.

Network Engineer Skills and Requirements

- ❖ Bachelor's degree in information technology, computer science, or a related discipline is required; CCNP (Cisco Certified Network Professional) certification or an equivalent qualification is preferable.
- ❖ Proven experience as a network engineer, with hands-on experience in designing, implementing, and troubleshooting network infrastructure.
- ❖ In-depth knowledge of networking protocols, including TCP/IP, DNS, DHCP, VLANs, VPNs, and routing protocols (e.g., OSPF, BGP).
- ❖ Experience with network security technologies, such as firewalls, intrusion detection/prevention systems (IDS/IPS), and endpoint security solutions.
- ❖ Excellent problem-solving and analytical skills, and the ability to diagnose and resolve complex network problems.

- ❖ Outstanding interpersonal and communication skills, with the ability to collaborate in a team setting and engage with stakeholders at all levels.
- ❖ Proficiency with programs like Nagios, SolarWinds, Wireshark, and other network monitoring and management tools.
- ❖ Familiarity with cloud networking concepts and technologies (e.g., AWS, Azure, Google Cloud Platform) is a plus.

Pro Tip

While screening applicants and employees, deploying skill testing and competency-based valuation is crucial for a bias-free hiring process. Use Xobin to run end-to-end screening, assessment and AI-powered video interviews for this role and 1500+ other roles.