# Network Engineer Job Summary

Our firm seeks a knowledgeable, talented, and industrious network engineer who will work alongside the IT support team to ensure maximum performance of a high traffic network infrastructure while maintaining system integrity. Internal networks include computer, voice, and firewall. The ideal candidate is agreeable, helpful, and efficient as well as having in-depth knowledge of networks with a focus on high-level design and planning.

## Network Engineer Duties and Responsibilities

* Design, develop, implement, and maintain network infrastructure
* Determine network bandwidth needs and recommend measures to meet those requirements
* Conduct network modeling and analysis to construct a reliable, high-performance integrated network
* Direct system installation
* Select and install appropriate data communications components configured to meet the company’s needs
* Program routers, switches, and other network hardware
* Configure DNS servers
* Maintain firewall and manage security related to hacking
* Define, document, and enforce system standards
* Manage owned domain names
* Design, recommend and implement new solutions to improve the resilience of network operations
* Monitor network performance and troubleshoot problems and outages
* Schedule updates and upgrades
* Collaborate with network architects to optimize system performance
* Engage in data network fault investigations
* Secure network systems with policies that define and monitor access
* Report network operation status based on project management and priority information

## Network Engineer Requirements and Qualifications

* Bachelor’s degree in network administration, information technology, or computer science
* Previous experience in IT, security or systems support, or network administrator positions preferred
* Additional certifications preferred, such as Cisco Certified Network Associate (CCNA), Cisco Certified Network Professional (CCNP), Microsoft Certified Solutions Expert (MCSE), Microsoft Certified Solutions Associate (MCSA), CompTIA Network+
* Retain familiarity with various network types including LANs, WANs, WLANs, SANs, and VoIP networks
* Increase job knowledge through continuing education and professional development opportunities, attend conferences, and read professional industry publications
* Open to being on call outside of regular working hours as well as occasional nights and weekends in the office
* Possess excellent analytical and problem-solving skills
* Ability to perform well under pressure
* Have high attention to detail
* Be a confident communicator
* Work well independently and in team settings