

**US Signal Company
JOB DESCRIPTION**

Job Title: Network Engineer

Job Code:

Job Status: Full time

Location: Grand Rapids

Pay Range:

Department: Network Engineering

Job Summary

The Network Engineer will be responsible for engineering, surveillance, maintenance, and troubleshooting of the US Signal IP Service Provider Network. The individual will also have knowledge of the US Signal Optical network and Cisco Transport platform.

Functions/Responsibilities

- Evaluate network optimization opportunities.
- Management, configuration, and support of eBGP routing internally and on the edge of the US Signal Network
- Management, configuration, and support of interior gateway protocols, such as OSPF and RIP
- Assist Technical Support in vendor and technology evaluations
- Provide Tier II technical support for US Signal Provisioning and NOC Personnel
- Management, configuration, and support of US Signal DNS services
- Management, configuration, and support of US Signal firewalls and DMZ's.
- Assist with the configuration and provisioning of Metro Ethernet Services including Adtran TA5000's, Cisco Metro E Switches, and Cisco Xponder Technology.
- Support and Maintain Cisco 7600's and ASR 1000 Series Routers.
- Capacity Management and Network Utilization Tracking

Competencies

- 5 years experience with Service Provider Network Engineering practices
- Strong knowledge of ISP infrastructure, design, and management
- Strong knowledge of common routing protocols such as iBGP, eBGP, OSPF, and RIP
- Strong knowledge of current DNS standards
- Strong knowledge of Ethernet, 802.1Q, 802.1AH, STP, RSPT+, MPLS, 802.1P, QoS, g.8032
- Experience with Cisco hardware and software including Cisco 7600, 3750, and ASR platforms.
- Experience with a variety of *nix operating systems
- PHP Experience
- High level of analytical ability
- Attention to detail and accuracy
- Excellent organization skills
- Ability to effectively communicate orally and via written documentation
- Ability to work well with all areas of the US Signal organization as well as external customers and vendors

Computer Experience

The desired candidate will have experience in Windows *nix, and Microsoft Office, Open Source Software as well as various mapping, graphics and project management tools.

Education

The desired candidate will demonstrate significant technical training or certification in LAN/WAN IP networking and or experience in LAN/WAN IP services. A BS in Telecom or Electrical engineering is a plus.

Experience

The desired candidate will have significant service provider network engineering experience. Technical experience in WAN and Metro Ethernet Switching and Routing is required.. CCNA certification is required with CCIP or CCIE certification preferred.