

Michael G McKinney

NETWORK ENGINEER

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Experience

DQE Communications

Pittsburgh PA

Feb 2012 - Current

SR NETWORK ENGINEER

- Work with Sales Engineering and Operations to provide Metro Ethernet network design:
 - Provided network design for winning 45 site 10Gb Internet/I2 RFP;
- Achieved Metro Ethernet Forum 2.0 Carrier Ethernet Certification for DQE Communications:
 - Ethernet Private Line and Ethernet Virtual Private Line services;
- Manage IP and IPv6 Internet transit across 5 providers:
 - Monitor and balance traffic to avoid overage charges and congestion;
 - Maintain accurate POC and network records through ARIN for DQE and customers;
- Install and maintain monitoring servers and equipment to support network core and access devices;
- Diagnose and resolve network and facilities problems;
- Design and maintain office and data center wireless and wired networks;
- Deploy Juniper/Pulse Secure SSL VPN appliances for network, RDP, and web access;
- Support Ekinops DWDM and fiber plant using EXFO testing tools;
- Manage authoritative and recursive DNS servers for DQE and DQE customers.

Expedient

Pittsburgh PA

Oct. 2007 - Feb. 2012

NETWORK ENGINEER & SENIOR SUPPORT ENGINEER

- Configure and support internal and customer environments:
 - Firewalls with Client and Site to Site VPN
 - Physical and Virtual Load Balancers
 - Data Center Routing and Switching
 - Network Device monitoring and backup
- Work with customers and vendors to identify and resolve technical issues;
- Participate in on-call rotation for network problems and customer escalation.

Expedient

Pittsburgh PA

Mar 2006 - Oct 2007

NOC ENGINEER

- Review and resolve customer requests by ticket, phone, email;
- Escalate issues and requests to appropriate internal teams;
- Monitor Data Center Locations for 24x7 operations.

Skills

Route/Switch Juniper MX/ACX/EX, Cisco IOS

Security Juniper SRX/SSG/ISG, Pulse Secure, Cisco ASA, Site to Site and Client VPN, RADIUS, Splunk

Network Applications Arbor DDOS Mitigation, Noction Intelligent Routing Platform, Junos Space, Ubiquiti Wireless, Wireshark

Optical Networking CWDM, Ekinops DWDM, Exfo OTDR/OSA, 1/10/100G Ethernet

Protocols BGP, OSPF, IP/IPv6, DNS, LDAP, RADIUS, OAM-CFM, STP, LLDP

Certifications JNCIA-JUNOS, JNCIS-SEC, JNCIS-ENT, JNCDA, CCNA

Education

Pennsylvania State University

University Park PA

STUDIED ELECTRICAL ENGINEERING

1999-2002