Michael G McKinney

NETWORK ENGINEER

Pittsburgh PA 15217

412-260-2628 | mgmckinney@gmail.com | mgmckinney | mgmckinney

Experience

DQE Communications   *Pittsburgh PA*

SR NETWORK ENGINEER   *Feb 2012 - Current*

- 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*

NETWORK ENGINEER & SENIOR SUPPORT ENGINEER   *Oct. 2007 - Feb. 2012*

- 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*

NOC ENGINEER   *Mar 2006 - Oct 2007*

- Review and resolve customer requests by ticket, phone, email;
- Escalate issues and requests to appropiate 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 IRP, Junos Space, Ubiquiti Wirless, Bluecat IPAM, Wireshark/tcpdump
Optical Networking	CWDM, Ekinops DWDM, Exfo OTDR/OSA, 1/10/100G Ethernet
Protocols	BGP, OSPF, IP/IPv6, DNS, LDAP, RADIUS, OAM-CFM, STP, LLDP
Certifcations	JNCIA-JUNOS, JNCIS-SEC, JNCIS-ENT, JNCDA, CCNA

Education

Pennsylvania State University   *University Park PA*

STUDIED ELECTRICAL ENGINEERING   *1999-2002*