

# Michael G McKinney

NETWORK ENGINEER

Pittsburgh PA 15217

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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