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**Executive Summary: Relevant Skills, Experience & Related:**

- 15 years total experience: Self-employed IT consultant & Enterprise level (Fortune 500/1000) network analyst contractor.
- CCNA Route/Switch certified: CSC011182212.
- CompTia A+ Certified: Operating Systems & Core Hardware
- CCNP Route/Switch certification in progress.
- JNCIA (Juniper) studies simultaneously in progress.
- BSBA Finance: All elective courses taken in IT related areas.
- Experienced with Cisco (CME) & cloud-based VoIP systems.
- Experienced with Cisco ASA & router based CBAC (legacy) firewalls.
- Good knowledge of network security topics, protocols & implementation.
- Python programming for SDN / Network Management study in progress.
- Experienced with Linux and Microsoft Windows desktop & server operating systems.
- Proven project management experience & ability to work well with people of diverse backgrounds, skill-levels and cultures in executing and meeting the objectives of IT projects.
- CCIE R/S studies to begin upon completion of the CCNP Route/Switch certification.
- Excellent communication, organizational & presentation skills. Published technical writer & experienced public speaker.
- Willing to relocate for the right opportunity.

**Platform Specific Experience:**

- **Cisco Routers:**
  - Cisco 1800 series (1811 / 1841)
  - Cisco 1900 series (1921)
  - Cisco 2800 series (2801 / 2811)
  - Cisco 2900 series (2911 / 2921 )
  - Cisco 3600/ 3700 series (3620 / 3640 / 3725 / 3745)
  - Cisco 3900 series
  - Cisco 7206 VXR

- **Cisco Switches:**
  - Cisco 2960, 3550 & 3560 (various models – L2/L3 implementations)
  - Cisco 3000 Industrial Ethernet
  - Cisco 3750x & 3850 using StackWise & StackPower (L3 implementations)
  - Cisco 4500-X series
  - Cisco 6500 series
  - Cisco Nexus 5000 & 7000
- **Cisco Security & Other:**
  - Cisco 5508/8510 Wireless LAN Controllers
  - Cisco ASA 5505/5510/5520 firewalls
- **Infoblox DNS/DHCP Appliance (1050)**

#### **Software Specific Experience:**

- Microsoft Visio (exceptionally skilled in producing accurate, high quality network diagrams).
- Microsoft & OpenOffice Office Suites
- Microsoft Windows Server 2003 / 2008 & Windows XP / Win7 Professional desktop.
- Linux CentOS / RedHat Enterprise server & Ubuntu Linux desktop.
- HP OpenView
- SecureCRT
- SolarWinds Network Configuration Manager
- VMware Workstation 12
- Wireshark

#### **Kennametal (Fortune 1000) - Telecom Analyst (2 years: January 2014 – December 2015)**

Contractor: Initial five week contract extended multiple times for a total of 2 years as part of the Kennametal World HQ telecom team at the Latrobe location.

- **Hardware Refresh Project:**
  - Configured, tested and brought online 35+ 2960, 3750 & 3850 series switches for upgrades.
  - Configured, tested and brought online 10+ Cisco 1900, 2900 & 3600 series routers for upgrading current MPLS & VPN routers at Kennametal sites in North America, South America & Europe.

- **Data Center e-Biz & Telecom Core Switch Stack upgrade project:**
  - Replaced four key aging Cisco 3560 switches with 2 – Cisco 3850 (x2) switch stacks. StackWise & StackPower utilized.
- **VoIP Phone System Project:** Executed all network related aspects of configuration, implementation and testing for cloud-based VoIP system at 28 locations (US and Europe).
  - Project support encompassed
    - network / DHCP creation and options configuration in Infoblox appliance.
    - site specific MPLS & VPN integration of phone network using BGP& EIGRP.
    - static routing & route maps.
    - access switch configuration & testing.
    - MPLS - ISP/VPN fail over testing.
- **Datacenter Core Cisco 6509 Switch Upgrades: (2 units)**
  - Upgraded memory, IOS, installed 10gb Ethernet modules, configured & tested.
- **Windows XP Segregation / VLAN 51 Security Initiative:**
  - **Project involved:**
    - creation of new IP space in Infoblox for each of the sites.
    - configuration of new VLAN at site on all switches.
    - configuration of static and dynamic routing for new IP space (EIGRP & BGP)
    - testing & verification of routing.
    - statically configuring the XP production devices for the new network parameters.
    - verifying device network connectivity.
    - testing of fail over from MPLS to VPN backup.
  - Americas – Worked with 32 North American locations to move Windows XP based key production equipment into the separate subnet/VLAN 51 as part of a security initiative.
  - EMEA– Was given the responsibility to both manage & execute the project. Worked with 20 European locations.
  - Final Project Status: 414 devices of 417\* moved into the security VLAN with a 99.25% on time completion rate. \*Three devices could not be moved due to being cost prohibitive.
- **Standard maintenance and troubleshooting of LAN/WAN issues:** Telecom group supported 1000+ (primarily Cisco) devices @ 170 locations world-wide. Supported technologies included:
  - MPLS (ATT AVPN)
  - VPN (GRE/IPsec)
  - DMVPN
  - EIGRP & BGP routing
  - Policy Routing / Path Engineering: Route-maps used to balance multiple WAN connections.
  - Cisco Routers & Layer 2 / Layer 3 switches.
  - Nexus 7000/5000 switches
- **Visio Site Diagrams Updating:** Updated and/or created Visio diagrams for 30+ sites.

**ArcelorMittal (Fortune 500) - Network Analyst** (10 months: April 2012 - January 2013)

Contractor: Performed the duties of the network analyst at the Weirton, WV location. Involved in day to day support of approximately 175 Cisco switches (L2/L3), routers, WAP & other networked devices.

- **Risk mitigation project - Replacement of dual Cisco 6506 Core Switches in three Datacenters:** Units were replaced with Cisco 3750X stacks using the StackWise and StackPower technologies in each of the three telecom centers.
- **Plant LAN build-out project:** LAN build-out necessary to replace old DEC "pizza-box" terminal units with Wyse 90 terminals in the two major production mills (Strip Steel and Tin Mill) that required fiber networking.
  - Instrumental in getting the four key fiber runs completed using internal resources (Wire gang) thus saving \$40,000-50,000 over using outside contractors. Savings was used to buy additional terminals & printers yielding a significant direct benefit to end users.
  - Executed installation of new fiber distribution centers & Cisco 3000 Industrial Ethernet units at numerous locations in the Strip Mill production controller booths. Executed the related network configuration and testing of finished installations.
- **Standard Network Support duties:**
  - Typical network maintenance & support of configuration changes, upgrades & related.
  - Creating and maintaining network & VLAN drawings using Visio.
  - Creating ACLs, issuing IP addresses & maintaining the IP address allocation database for the 30+ VLANs

**Shafer Consulting** (12 years: January 2002-April 2014)

- **Self-employed IT consultant:** Provided the following services to the SMB market using Cisco, Linux and Microsoft based solutions.
  - LAN/WAN maintenance.
  - Network & System design & implementation.
  - Network security
  - Workstation & Server installation & maintenance.
- **Client base included:**
  - Borough of Forest Hills
  - Pennsylvania Macaroni Co. Greentree Warehouse
  - Common Plea Catering
  - Mansions On Fifth Historic Hotel
  - Jefferson Behavioral Health Systems
  - SW PA Water Authority Jefferson, PA