

## CONSULTANT REMOTE SR. NETWORK ENGINEER

### Summary

8 years of IT experience in network design, implementation, troubleshooting and maintenance \*Excellent Verbal, Written and Interpersonal skills

\*Able to work independently and as part of a team \*Experience with a wide range of Cisco and Juniper switches, routers, and security platforms

### Skills

- Cisco 3700, 3550, 3560, 6509-V-E, 6513, 6504, 6503, 6506, 6500 series switches
- Experience with design and implementation of Virtual Switching System (VSS) on 6500 Switches
- Experience configuring Cisco Nexus 7000-, 5000- and 2000-series datacenter switches, including VPC and Virtual Contexts
- Expertise with complex network protocols, including static routes, RIP, OSPF, EIGRP and BGP
- Experience configuring F5 Load Balancers (LTM and GTM)
- Firewall design experience, particularly with Juniper SRX and Cisco PIX, ASA, and FWSM platforms
- Working knowledge of frame relay, MPLS services, OSPF, BGP and EIGRP routing protocols, NAT, IP subnets, DNS, WINS, LDAP, DHCP, HTTP(S), HTML, TCP/IP, SNMP, OSPF, RIP, IPSEC, PPTP, VLAN, STP, RTSP & Multicasting protocols
- Experience with Troubleshooting tools such as packet analyzers and load generators
- Protocols & Standards: TCP/IP Protocol Suite, Ethernet, Token Ring, FDDI, OSPF, EIGRP, Rip, BGP, HSRP, L2/L3/L4/L7 Switching, VLAN's, VTP, IPv4, IPv6, ATM, VoIP, LAN, SSL, SNMP V1, V2, T1, DS3.
- Security: Anomaly Detection in attack prevention system, IPS/IDS, Penetration Testing and Web application testing, Buffer Overflows, Cross Site Scripting, Session Management, Cisco PIX, and Security attacks like DoS, DDoS, Spoofing, Nexus & Cisco IOS, Cisco Works
- Networking: Network Design & Engineering, Operations Research, Cisco Routers (800, 2600, 2800, 3800, 4500), Switches (2950, 3560, 6500), Snort network intrusion detection systems (IDS). Network penetration testing tools like NMAP, Net filter, IPtables, Ethereal, SONNET, MPLS, DSU/CSU
- Routers & Switches: GSR 12000, 2900 3900, 7200, 7600, ASR 1002. 6500, 4506, 4510, Nexus 7000
- Programming: C Programming, TCL/TK, Perl, Redhat Linux
- Firewalls: Cisco 5505, 5510, 5520, 5540, 5550, FWSM, Checkpoint Firewall NGX R75, Juniper SRX series

### Experience

Macrotech | City , STATE Consultant Remote Sr. Network Engineer 07/2016 - 05/2017

Macrotech is a leading provider of WISP, HSIA, Video-on-demand, IPTV, and digital concierge offering 24x7 support services for hotels, resorts, timeshares, casinos, and residence apartments. While at Microtech my day-to-day responsibilities were:

- Designing Technology solutions for existing customer base.
- Providing technical support and resolutions for LAN/WAN upgrades and outages.
- Performing advanced remote/on-site troubleshooting activities including: encompassing system design issues, upgrading plan and creating technical product documentation
- Working on Cisco Products viz. Cisco Unified Call Manager, Cisco Unified Call Manager Express, Cisco Unity, Cisco IPCC Express and Cisco Voice Gateway.
- Providing technical support for VoIP related projects.'
- Resolving critical customer issues including but not limited to upgrading, installing and maintaining commercial hotel HSIA network systems.
- Worked on call schedule for service tickets that includes nights and weekends.

Genuine Parts Company | City , STATE Consultant / Tier III Sr. Network Engineer 12/2015 - 06/2016

In November 2015 I worked with the National Automotive Parts Association (NAPA) brand to assist with significant operational and procedural challenges that they were experiencing. In this role I worked with technical and non-technical staff to stabilize and scale day-to-day operations for the brand's 6,000-store network infrastructure. My day-to-day responsibilities included:

- Coordinating complex Network and Security changes between multiple technology teams.
- Maintaining an understanding of NAPA's multi-vendor network design and supported applications.
- Providing Level 3 support for complex network issues.
- Reviewing Monitoring Tools and Logs for events and trends.
- Prioritization and resolution of escalated network tickets.
- Developing post-mortem updates for highly impacting issues.
- Auditing deployed systems to ensure compliance with technical standards.
- Continually providing input towards system and process improvements.
- Participating in process improvement meetings.
- Participating in network operations, engineering, and architecture discussions.
- Providing APG a competitive advantage with high performing technology solutions

### Project: Network Operation Practice Improvement

- Reduced the Network Operations queue from ~130 tickets to ~8 within 2 months by developing repeatable processes and procedures.
- Developed and maintained standard store diagrams and documentation.
- Initiated and developed technology- and problem-specific documentation practices.
- Screened technical off-shore resources used to scale monitor and resolution timelines

## Project: Network Aggregation / WAN Redesign.

- Created technical processes for migration of nearly all 6,000 stores to a new circuit aggregator.
- Worked with technical, leadership, and store personnel to create and refine deployment schedules.
- Screened technical off-shore resources used to accelerate project timelines.

## Penske Truck Leasing | City , STATE Consultant / Tier III Support Engineer 09/2015 - 12/2015

Penske Truck Leasing is a national truck leasing company offering leasing and contract maintenance in hundreds of facilities across the United States. While at Penske I:

- Configured ASR 900 series and troubleshoot.
- Maintained operational and deployment responsibilities of the Routing and Switching domains for the local campus and remote branches.
- Administered Cisco ASA and FWSM firewalls in the DMZ and Server Farm.
- Administered F5 Big IP Load Balancers.
- Created network documents and Visio drawings to enhance network operations.
- Monitored network traffic and developed capacity planning initiatives, making necessary recommendations additional resources or hardware.
- Planned and upgraded Cisco IOS devices.
- Configured OSPF and BGP on Juniper M and MX series routers.
- Configured routing on Cisco platforms, including OSPF, BGP, route-maps, distribute-lists and administrative distances (as necessary) for on-demand infrastructure.
- Configured Juniper devices from scratch, including: EX-2200, EX-4200, EX-4500, MX-480, and M Series, SRX210, SRX240.
- Configured and implemented Cisco 7600, 7200, 3800, ASR 9k and GSR 12k series routers as well as Cisco 2950, 3500, 5000, and 6500 series switches.
- Assisted in the architecture, evaluation and recommendations related to purchasing hardware and software related to IP networking.

## Active Health Management | City , STATE Consultant / Sr. Network Engineer 05/2013 - 09/2015

Active Health is a national leader in population health management providing analytics and wellness programs to help customers improve quality of care and lower healthcare costs to clients therefore requiring a highly secure network environment. While with Active Health I:

- Administered, configured, upgraded and deployed Cisco Nexus 7000-, 5000-, and 2000-series switch platforms including Virtual Device Contexts (VDCs) on the Nexus 7000 series.
- Administered Cisco ASA and FWSM firewalls in the DMZ and Server Farm.
- Configured and administrated application load balancing using F5 LTM including Pools and iRules.
- Designed and implemented complex BGP and OSPF networks including a WAN migration from OSPF to BGP.
- Participated in Campus and Branch network redesign activities, spanning both data and voice environments.
- Performed End of Life platform migrations for Campus, Branch and Server Farm technologies.
- Converted Branch WAN links from TDM circuits to MPLS.
- Provided escalated problem resolution as required.
- Assisted with virtualization of physical servers.
- Developed contact lists of application vendors, management, and stakeholders for change activities.
- Configured IP Quality of Service (QoS) and policy maps on 2800-series routers for all branch locations.
- Managed and trained junior team members.
- Developed project documentation through lifecycle.
- Performed switch feature testing per RFC 2889 and RFC 2554 using IXIA's IP testing system.
- Created network design documentation and presentations using Visio.
- Coordinated precise scheduling for all migration events including all equipment and resources for the data center migration on an extremely accelerated schedule for a high profile client.
- Environment: Router 2900, 3900; Cisco Catalyst Switch 3550, 2960.
- T1 Controllers, DS3 Lines (T3 Lines), Fiber and Ethernet cabling.

## Allstate Insurance | City , STATE Consultant / Sr. Network Engineer 10/2010 - 12/2012

Allstate is a major health insurance provider operating in all 50 states. While with Allstate I:

- Performed CatOS to Cisco IOS configuration conversions for distribution-layer 6500-series switches.
- Configured HSRP, Ether-Channels, Port Channels on 6500-series switches.
- Configured PAGP and LACP protocols along with BFD link detection protocol.
- Participated in Data Center migration activities, including build, interconnection, and migration stages.
- Provided technical security proposals, detailed RFP responses, security presentation, installing and configuring ASA firewalls, VPN networks and redesigning customer security architectures.
- Planned and converted Catalyst Access-Lists to FWSM rule sets on 6509-E Catalyst switches.
- Configured Voice VLANs on campus access and distribution switches.
- Implemented 3750 Rack/Stack switches using Cisco Stack Wise technology.
- Designed and implemented Virtual Switching System (VSS) for both User segment and Server segments using 6509-V-E catalyst switches.

- Provided network input for DC data migration and server virtualization activities.
- Configured wireless networks and segmentation for user populations.
- Coordinated precise scheduling for all migration events including all equipment and resources for the data center migration on an extremely accelerated schedule with for a high profile client.
- Installed of L3 Switching Engine policy Feature Card & Distributed Forwarding Cards in 6500-series switches.
- Environment: 3750, 3550, 3560, 2924, 6509-V-E, 6513, 6504, 6503, 6506, 6500 series switches, 7206, 2611, 6748, 6708, 2960, T1 Controllers, DS3 Lines (T3 Lines), Fiber and Ethernet cabling.

#### Education and Training

University AMD IIT | India Bachelor of Engineering in Electronics and Communication

#### Certifications

- A Cisco Certified Network Professional (CCNP)
- A Pursuing: Juniper JNCIA
- A Pursuing: Cisco CCNP Security

#### Technical Skills

Protocols & Standards: A A A A TCP/IP Protocol Suite, Ethernet, Token Ring, FDDI, OSPF, EIGRP, Rip, BGP, HSRP, L2/L3/L4/L7 Switching, VLAN's, VTP, IPv4, IPv6, ATM, VoIP, LAN, SSL, SNMP V1, V2. T1, DS3.

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