

### Professional Summary

- Around 8 years of experience in Designing, Implementing and Troubleshooting Service Provider Networks, Enterprise Networks and Network admin
- Expertise in installing, configuring, and maintaining Cisco Switches (2900, 3500 ,3700 series, 6500 series)
- Expertise in installing, configuring, and troubleshooting of Cisco Routers (3800, 3600, 2800, 2600, 1800, 1700, 800)
- Extensively worked on Cisco catalyst 6509 and implemented VSS along with VDC and VPC on Nexus 5505, 7009 switches.
- Protocols Awareness: OSPF, EIGRP, RIP, BGP, HSRP, ACL, VTP, NAT/PAT, CDP, SSH, HTTP, HTTPS, NTP, SNMP, ARP, STP (802.1D), SNMP, DNS & DHCP.
- Hands on Knowledge/experience on F5 load balancers, its methods, implementation and troubleshooting on LTMs and GTMs.
- Administration and diagnostics of LAN and WAN with in-depth knowledge of TCP/IP, NAT, PPP, ISDN and associates network protocols and service
- Cisco ASA Firewall troubleshooting and policy change requests for new IP segments that either come on line or that may have been altered dur
- Extensive Knowledge on the implementation of Cisco ASA 5500 series firewalls.
- Experience in working with Cisco Nexus 7K, 5K & 2K Switches.
- Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP, Ether channel, STP, RSTP and MST.
- Experience in configuring HSRP and redistribution between routing protocols while troubleshooting them.
- Extensive experience in Designing, Implementing and Troubleshooting Service Provider Networks and Enterprise Networks.
- Experience with complex routed LAN and WAN networks, Cisco Routers, Switches and Juniper Routers
- In-depth knowledge of implementing, configuring and troubleshooting Routing Protocols such as Static Routing, EIGRP, OSPF and BGP
- Extensive knowledge of deploying and troubleshooting L2/L3, TCP/IP and Multilayer Switches
- Expertise in implementation and troubleshooting of protocols such as STP, RSTP, PVST, HSRP and VRRP
- Network management using Syslog, Packet Sniffers, SNMP etc.
- Experience in configuration Voice over IP (VOIP).
- Extensive knowledge of deploying & troubleshooting TCP/IP, Implementing IPv6, Translation from IPv4 to IPv6, Multilayer Switching, UDP, Ethe
- Extensive knowledge in developing test plans, procedures, and testing Various LAN/WAN Products and Protocols.
- Created and designed network layout and documented network system design with detail information using Visio software. Vendor co-ordination
- Specialize in VoIP traffic analysis and designing VoIP networks for small MSPs.
- Well experienced in troubleshooting and optimizing performance in Cisco based routers and switches. Have worked in NOC environment for more
- Excellent problem solving and debugging skills with good verbal/written communication and presentation skills
- In-depth knowledge and hands-on experience on IP Addressing, Sub netting, VLSM and ARP, reverse & proxy ARP, Ping Concepts.

## Technical Skills

Routers	Cisco 7600, Cisco 3800, Cisco 2900, Cisco 1700, Cisco 3640, Cisco 12000, Cisco 3845
Routing Protocols	OSPF, EIGRP, BGP
Switches	Cisco Nexus 2K, Cisco Nexus 5K, Cisco Catalyst 2900, Cisco Catalyst 3560, Cisco Catalyst 3750, Cisco Catalyst 2960, Cisco Catalyst 3550, Cisco, ASA5510, ASA, Cisco 2248, Cisco 3560, Cisco 5020
Network Security	F5 Load Balancer, IOS Firewall features
Operating Systems/Software	eMail Management Server, Outlook Express

## Experience

### Sr. Network Engineer

T-Mobile, Atlanta, GA

Jun/2015 - Present

#### Responsibilities & Achievements

- Deployment and decommission of VLANs on core ASR 9K, Nexus 7K, 5K and its downstream devices.
- Performed OSPF, BGP, DHCP Profile, HSRP, IPV6, Bundle Ethernet implementation on ASR 9K redundant pair.
- Configured CIDR IP RIP, PPP, BGP, MPLS and OSPF routing.
- Experience in MPLS migrations, implemented a backup for the existing WAN connection using site-to-site IP sec VPN tunnels.
- Created and tested Cisco router and switching operations using OSPF routing protocol, ASA Firewalls, and MPLS switching for stable VPNs.
- Switches Replace branch hardware with new 2851 routers and 2960 switches.
- Cisco Checkpoint Firewall troubleshooting and policy change requests for new IP segments that either come on line or that may have been altered during various planned network changes on the network.
- Experience with configuring Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000.
- Worked on F5 BigIP GTM/LTM appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs.
- Other responsibilities included documentation and supporting other teams.
- Experience in working with BGP attributes such as Weight, Local-Preference, MED and AS-PATH to influence inbound and out bound traffic.
- Involved in Switching Technology Administration including creation and management of VLANs, Port security, Trunking, STP, InterVlan routing and LAN security.
- Used and maintained routing protocols EIGRP, OSPF and BGP on the Routers in the network and also worked on BGP Route Reflectors, Confederations.
- Deployed a large-scale HSRP solution to improve the uptime of collocation customers, in an event where a core router became unreachable.
- Created Lab setup with 7k and 5K NEXUS switches for application testing.
- Experience with designing and deployment of MPLS Traffic Engineering.
- Configuring RIP, OSPF, EIGRP BGP, MPLS, QOS, ATM and Frame Relay.
- Involved in design and implementation of Data Center Migration, worked on implementation

strategies for the expansion of the MPLS VPN networks.

- Upgrade Cisco Routers, Switches and Firewall (PIX) IOS using TFTP.
- Checking layer 2 and layer 3 connections for call manager, unity, IP Phone, and IOS router after the site is implemented.
- Updated the HP open view map to reflect changes made to any existing node/object.
- Ensure Network, system and data availability and integrity through preventive maintenance and upgrade.
- Worked on the security levels with RADIUS, TACACS+.
- Installed Cisco Presence cluster and intergraded with call manager cluster
- Monitored network for optimum traffic distribution and load balancing using Solar winds.
- Validation of existing infrastructure and recommended new network designs.
- Created scripts to monitor CPU/Memory on various low end routers in the network.
- Upgrading and troubleshooting Cisco IOS to the Cisco Switches and routers.
- Configuring the back end in the call manager
- Configure and troubleshoot Juniper EX series switches and routers.
- Experience with manipulating various BGP attributes such as Local Preference, MED, Extended Communities, Route-Reflector clusters, Route-maps and route policy implementation.

Environment: Cisco 7600, Cisco 3800, Cisco 2900, Cisco 1700, OSPF, EIGRP, BGP, Cisco Nexus 2K, Cisco Nexus 5K, Cisco Catalyst 2900, Cisco Catalyst 3560, Cisco Catalyst 3750, Cisco Catalyst 2960, F5 Load Balancer, IOS Firewall features, eMail Management Server, Outlook Express, Cisco 3640, Cisco 12000, Cisco 3845, Cisco Catalyst 3550, Cisco, ASA5510, ASA, Cicso 2248, Cisco 3560, Cisco 5020

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## Education & Training

**Bachelor Of Engineering in Computer Science**  
*Jawaharlal Nehru Technological University*

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## Certifications

- **Cisco Certified Network Associate (CCNA)**
- **Cisco Certified Networking Professional (CCNP)**