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**Objective**

I would like to be flourish as a Network Engineer. I have all technical skills as well as a positive approach which will lead me to success in any deal. To obtain a network engineering position within a diverse environment where my knowledge, skills, and experience seeking a responsible position as a NOC engineer with a view of utilize my skills towards professional growth and development.

**Professional Summary:**

A dedicated Professional with Six (6) years of expertise in Designing, Implementation, Administration, Operations and Troubleshooting of enterprise data networks as a Network Engineer.

* Worked on Cisco Catalyst series **2900, 3560, 3750, 4500, 4900, 6500** and Cisco **1800, 2600, 3600, 7200**, **7600**, **ASR 9k** routers.
* Worked on Nexus platform **7010, 5K** series (**5548**, **5020** and **5010**) and **FEX** (**2248**, and **2232**) and deployed **VPC, VDC** and **OTV** and successfully implemented **VSS** on the cisco catalyst switches.
* Inventory of all network hardware, Management and Monitoring by use of **SSH, Syslog, SNMP, NTP**. Proficient in using **MS Visio** for documentation.
* Expertise understanding in implementing and configuring **F5 Big-IP LTM-3900**, and **6900** **LOAD BALANCERS,** maintained policies. Managed enterprise grade server/application load balancing using **F5 LTM/GTM**.
* Switching tasks include VTP, ISL/ 802.1q, IPSec and GRE Tunneling, VLANs, Ether Channel, Trucking, Port Security, STP and RSTP.
* Strong working experience on **Firewalls, ACS, Cisco ASA 5540 Series**.
* Proficient hands on experience in configuration & troubleshooting of routing protocols and deployment of **OSPF, EIGRP, BGP** and Policy routing on Cisco Routers.
* Experience in implementing, maintaining and troubleshooting L2 switching tasks such as
  + **VLANs, VTP, VLAN** Trunking using **ISL** and **802.1Q, STP, RSTP, PVST+, Etherchannel** using **LACP** and **PAGP, Inter-Vlan routing.**
* Implemented redundancy with **HSRP, VRRP, GLBP, Ether channel technology (LACP, PAGP).**
* Strong hands on experience on PIX Firewalls, ASA (5540/5550) Firewalls. Implemented Security Policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA(TACACS+ & RADIUS
* Expertise in implementing Security policies like **NAT, PAT, IDS, IPS** and **Access lists.**
* Had a good experience in implementing L2 and L3 **VPN.**
* Good Knowledge on **Cisco Call Manager, Unity**, andassociated **Voice Applications.**
* Worked with MPLS in establishing peer ship with **BGP** protocol
* Good amount of knowledge about various **WAN** technologies such as **Frame-Relay**, **PPP and HDLC**.
* Implemented traffic filters using **Access-lists, Distribute-Lists, Route Maps and route manipulation using Offset-list.**
* Experience in **T1/E1/T3** technologies and different LAN & WAN technologies.
* Excellent working knowledge of TCP/IP protocol suite and OSI layers.
* Good knowledge and experience in Installation, Configuration and Administration of Windows Servers 2003/2008, Active Directory, FTP, DNS, DHCP, TFTP, Linux OS under various LAN and WAN environments

**Technical Skills and Abilities:**

**Cisco Routers:** 2600, 2900, 3600, 3800, 7200 and 7600

**Cisco L2 & L3 Switches:** 2900, 3560, 3750, 4500, 4900 and 6500

**LAN Technologies:** Ethernet, Fast Ethernet, and Gigabit Ethernet, VLAN, Inter-VLAN Routing, VTP, STP, RSTP

**WAN Technologies:** Frame Relay, PPP, HDLC, (E1/T1/E3T3)

**Switching Technologies:** VLANs, Inter VLAN routing and Port Channels, VTP, Spanning Tree

Protocols like PVST+, RSTP+, Multi-Layer Switching, and Port security,

VSS, CEF and DCEF. Nexus 5548, 5596, 6000, 7009, 7018; Cisco

Catalyst: 6506, 6509, 4928, 4948, 4507, 4510, 3750, 3560, and 2960.

**Network Security:** Cisco ASA (5512/5550/5585), ACL, IPSEC, Soniwall Firewall,

WatchGuard Firewall

**Server Operating System:** Windows Server 2008, 2012

**Desktop Operating System:** Windows 7/8/10, Mac OSX

**Routing Protocols:** RIP v1/v2, OSPF, EIGRP, BGP, PBR, Route Filtering, Redistribution, Summarization, and Static Routing.

**Gateway Load Balancing:** HSRP, VRRP, GLBP

**Network Mgmt. Tools:** Wire shark, Net flow Analyzer, Cisco Prime Infrastructure, SNMP, SYSLOG, NetFlow, VMware

**Security Server Protocols:** TACACS+, LDAP, RADIUS

**Load balancer:** F5 load balancer

**VPN:** IPsec & SSL VPN both Site-to-site and Remote VPN

**Google Business Apps:** Email and other App managing & administration, Email archiving

**Microsoft Office 365:** AD (Azure) User management, SharePoint

**Ticketing System:** IT Desktop Support ticketing system, JIRA

**NEXUS Features:** VDC, VPC, VSS, VRF.

**Forensic tools:** FTK, Encase, MPE+

**Technical Certification:**

1. Cisco Certified Network Associate (CCNA)
2. Cisco Certified Network Professional (CCNP)
3. JNCIA – 102 (JUNOS)

Professional Experience:

**Alcoa , Niles , OH  jan-2015 to till present**

**Sr Network Engineer |**

* Involved in the activity of DATA-Center migration of regular Cisco catalyst switches with the new **Nexus** **2148**, **2224T,** **5548**, **6018**, **7010** using F3/M3 line-cards with 10GE & 40GE interfaces and **Supervisor 2E**.
* Responsible for monitoring networking systems, networking devices, and building custom built tools
* Managed inventory of all network hardware, Management and Monitoring by use of **SSH, Syslog, SNMP,Netflow NTP**. Proficient in using **MS Visio** for documentation.
* Handled responsibilities of monitoring network traffic, installing network equipment, and maintaining data networking systems
* Enables users to setup Virtual Machines on a single physical Machine and using them simultaneously along with actual machine using VMware workstation 12
* As part of Data Center fabric remediation/refresh project, deployed Cisco Nexus switches and implemented **features like FEX Links, VPC and VDC.**
* Migration of existing **IPSEC VPN tunnels** from one **Data Center to another Data Center**, due to decom of existing Data Center, which involved working with Partner Companies.
* Involved in the troubleshooting aspects of complex network infrastructure using routing protocols like **EIGRP**, **OSPF** and **BGP**.
* Experience with converting **WAN routing from EIGRP/OSPF to BGP** (OSPF is used for local routing only) which also involved converting from Point to point circuits to MPLS circuits.
* Configured and deploying Cisco **Catalyst** **6506**, **4948E**, **4510** switches and Cisco **3660**, **3845**, and **7609** series routers.
* Applied **ACLs** for Internet access to the servers using **Cisco 5550** **ASA firewall** and performed **NAT**.
* Designed and implemented DMZ for Web servers, Mail servers & FTP Servers using **Cisco ASA5500** Firewalls.
* Performed load balancing and application level redundancy by deploying **F5 BIG-IP LTM 3900**.
* Supported in giving access the User machines and partners exterior to the network using **IPsec VPN tunneling** and SSL.
* Dealt with the service providers in the case of WAN outages.
* Responsible for simulating network operations with the usage of packet analyzer like Wire shark, and use to resolve tickets whenever there is an issue.
* Had hands on experience in configuring and implementing **Prefix-lists**, **Route-maps**, **Ether-channels**..

**Alaska Airlines, Seattle, Wa   OCT 2012 to DEC 2014**

**network engineer**

* Key responsibility of LAN and WAN maintenance and troubleshooting any network related problems.
* Installation, Configuration and Administration of ADS,DNS,DHCP and Web proxy(ISA)server
* Tuned according to the requirements of the organization for deploying and maintaining the routers and switches.
* Experience in deploying EIGRP/BGP redistribution and the changing the metrics for the primary and backup.
* Performed **IOS upgrade** on **Cisco 7200, 3600** Router and making sure that there is high data availability.
* Responsible for turning up **BGP peering** and customer sessions, as well as debugging **BGP** routing problems
* Provided high level of security to the network by installing **ASA 5520** along with **ACLs**.
* Extensively worked on layer 2 features like **STP**, **VLAN**, **and VTP** and implemented them on new switches and used to troubleshoot any issues.
* Tasks included in performing network administration issues like configuring **RPVST+**, **Port security**
* Designed and Implemented Cisco VOIP infrastructure.
* configuring Voice VLANs with respect to Cisco VOIP phones 7940, 7960
* worked with the Call manager installation for deploying Cisco VOIP
* Dealt with troubleshooting the **EIGRP** and **OSPF** protocols during the process of migration and establishing new client setups.
* Configured **OSPF redistribution and authentication** with type 3 LSA filtering and to prevent LSA flooding
* Worked on **OSPF** using features like **TSA, SA, NSSA** and route summarization. Configured EBGP/IBGP policies also tested BGP attributes such as Local preference, MED, AS-PATH, Community and Weight.
* configuring **IPSEC VPN** on **SRX** series firewalls.
* Responsible for resolving service request tickets from the help desk which involved in providing complete technical support.
* Involved in design and implementation of data center migration, worked on implementation strategies for the expansion of the MPLS VPN networks

**Samyak infotech pvt ltd,India OCT 2010to AUG 2012**

**Network engineer**

* Documented the company’s design, implementation and troubleshooting procedures.
* Monitored the Network performance based on company’s Service Level Agreement (SLA).
* Creating Virtual Machines on one device to enable multi task using VMware workstation.
* Performed the tasks of monitoring network performance by using standard management tools
* Testing the new zone for failover capabilities and redundancy. Connected the Distribution routers to the Core routers via **OSPF areas**.
* configured policy based routing for BGP for complex network systems
* Implement various OSPF scenarios on networks consisting of 7600 routers
* configured multiprotocol Label Switching (MPLS) VPN with routing Information Protocol (RIP) on the customer's site.
* Configured VLANs with **802.1Q tagging** according to the Server team’s requirements.
* Involved in troubleshooting of DNS, DHCP and other IP conflict problems.
* Performed **IOS upgrades** on various catalyst series switches and maintained latest IOS versions according to company’s policy
* Resolving all computer related problems, such as troubleshooting operating system failure, scheduling and updating virus checks on servers and desktops

**Qualification:**

Bachelor of Engineering in Electronics and Communication from Gujarat University, India