  

 **Viraj Tushar Shah**

 **Email-id: virajshah940@gmail.com**

 **Phone : 551-552-4039**

**PROFESSIONAL SUMMARY:**

* **Around 8+ years** of experience in IP network design, network integration, deployment, automation and troubleshooting.
* Extensive knowledge in configuring and troubleshooting Layer 3 Interior and Exterior Gateway Routing protocols such as OSPF,EIGRP and BGP.
* Thorough experience in configuring Virtual Local Area Networks (VLAN) with IEEE 802.1Q, VLAN trunking protocol (**VTP**), shortest path bridging, Multiple **VLAN** Registration Protocol and **VLAN Cross Connect** (**CC**).
* Strong hands-on experience on Cisco Catalyst (series 3850, 3560, 4500, 6500), Cisco **Nexus** (series 2K, 5K, 7K), Cisco Routers (series 7300, 4000, 3800, **ASR** 9000), **Firepower** (4100), **Load Balancers** (Citrix NetScaler, Cisco ACE, **F5 BIG-IP** LTM/GTM, Virpion), IDS/IPS (HIDS, NIDS, NIPS, HIPS), Fire eye, Splunk, **Palo Alto** Networks Firewalls (PA-820, series PA-3K, 5K), **Checkpoint** IP Appliances (NXG R60, R70, 3100, 5900), FortiGate (7060E and 7030E)
* Experience in working with Cisco **Nexus** Switches like 5000 , 7000 and 9000 series and configuring VDC, VPC, VRF, and OTV on the Nexus switches.
* Thorough understanding and experience in **IDF/MDF** Architecture, **Data center Architecture** and **Spine Leaf Architecture.**
* Migration from local cloud to hybrid cloud architecture with **AWS, Azure**. Exposure to Cloud Migration experience to Azure, AWS. Experience with EC2 instances, Security policies. Experience in Python Scripting for Network Automation.
* Migration Experience from **Cisco ACS to Cisco ISE**.
* Experience on **EVPN, MLAG, Symmetric and Asymmetric routing in Spine Leaf, VXLAN, VTEPS, VNI, MAC flood lists updates using BGP Route distinguishers, RT1,2,3 and 5 updates.**
* Installed, configured, deployed **Network Virtualization (NSX)** VMware platform for the software defined data center.
* Proficient in monitoring and managing networks using SolarWinds NetFlow Traffic Analyzer, Network Performance Monitor (NPM), Network Configuration Manager (NCM); SAM, IP Address Manager, Additional Polling Engine, **Cisco Prime**, Security Device Manager (SDM), Cisco Works; Infoblox, HP OpenView, and Wireshark.
* Knowledge and configuration of redundant router protocols like HSRP, VRRP, and GLBP.
* Experience in testing Cisco routers and switches in lab scenarios and deploy on site for production.
* In-depth knowledge and hands-on experience in Tier II ISP Routing Policies, Network Architecture**, NAT, DHCP, DNS**.
* Design interfaces, define integration workflows and solutions using vArmour products and other systems within the customer environments
* Experience in migrating from metro ethernet to MPLS circuit for the remote site connectivity.
* Configured and maintained Quality of Service (QoS) protocols (SIP, BroadSoft, SRTP, SDP, IAX) on VoIP along with PBX servers, VoIP Gateways and Cloud-based PBX servers, **Active Directory** Database.
* Experience in configuration of LAN protocols such as Ethernet and Fiber Distributed Data Interface (**FDDI**) on Cisco Switches. Experience in documenting and preparing the process related operational manuals.
* In-Depth Knowledge and experience of various wireless 802.11 standards, controllers, Access Points, Wi-Fi analytics from various vendors (Cisco **Meraki**, HPE, D-Link and Net gear).
* Implemented and maintained Sourcefire intrusion detection/ prevention (IDS/IPS) system and hardened protection standards, IDS/IPS signatures on Firewall for Fine-tuning of TCP and UDP services.
* Worked on Cisco Firewalls **Cisco ASA** 5500(5510/5540) Series. Migrated from ASA **to Palo Alto 5000** Series. Experience in NAT/PAT, Policies, SSL Forward proxy, Decryption, Url Filtering on PA firewalls.
* Experienced with Cisco Firewalls Cisco ASA 5500, Series 5500 - X, and Cisco Next-Generation Firepower 4100 Series security appliances in standalone and high availability configurations.
* Completed project to evaluate Cisco Next-Generation Firepower 4100 Series security appliances for both the virtual Firepower Threat Detection and the Virtual ASA modules to increase security in a production environment
* Hands on experience with IXIA Packet generator. Developing TCL scripts for automation
* Implemented traffic filters using standard and extended **access-lists**, distribute-lists and route maps.
* Provided support that included resolving day-to-day operational issues with tickets generated by a server.
* Good understanding of **SNMP, IP SLA** and Network Monitoring with experience in tools like **PRTG**.
* Experience For Senior Cisco Wireless Network Engineer Resume
* Experience with Aruba WLAN infrastructure in large scale global deployments
* Experience with 802.1x, RADIUS, EAP-TLS WLAN standards
* Experience with TCP/IP internals and the ability to analyze packet captures
* Experience with 1100, 1200, 3 700and 3800 series cisco Wireless Access Points

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Routers & Switches** | Cisco Routers (3800, 2800, 2500, 2400 Series), Cisco Switches (6500, 4500, 2960, 2950, 2924, 3700, 3500), Juniper EX43XX, QFX1XXX series, Cisco NX 9k, ISR, CRS, GRS and ASR |
| **Protocols:** | TCP/IP, IS-IS, EIGRP, BGP, HSRP, IPSec, VPN, DMVPN, QoS, Multicast, dot1q, STP, VLANS, VTP, WLAN, DNS, DHCP, ARP, SNMP, NetFlow, TACACS+, VRF, Cisco vPC, Ethernet |
| **Operating Systems:** |  Windows 2000/2003/2008/12 Servers,Linux, IOS |
| **AAA Architecture** | TACACS+, RADIUS, LDAP, Cisco ACS |
| **Firewalls & VPN:** | Checkpoint Firewall UTM Series, Cisco 5500 Series ASAs, FirePower, PALO ALTO firewall |
| **UC Products** | CUCM, CUC, CME, CER, VCS, Jabber |
| **Wireless Equipment:** | Cisco Wireless LAN Controllers (WLC) 4400 Series (4402 & 4404) 5500 Series (5508), Cisco Aironet Wireless Access Points (1200 3500 Series). |
| **VMware:** | ESXi 5.1/4.2, VMware VSphere, VMware Workstation 8, VMware view, Virtual Desktop Interface. |
| **Applications:** | MS Office 2003/2007- Word, Excel, Power Point, MS Outlook, Outlook Express, Opnet, Bluecoat, Riverbed, NetBrain. |
| **Security** | Checkpoint Firewall UTM/NGX Series and Cisco PIX 500 Series and Cisco 5500 Series ASAs, IPS, IDP |
| **Juniper Devices** | Juniper EX2200,3300,4200 model Switches and MX5 ,MX10, MX40 model Routers. |
| **OS & Database** | Windows, Linux/Unix, IOS, GAiA, Oracle, SQL |
| **Programming** | C, Java, Python, Shell |

**CERTIFICATION:**

* Cisco Certified Network Associate (CCNA).
* Palo Alto Certified Network Security Engineer (PCNSE)

**PROFESSIONAL EXPERIENCE:**

 **IP Infusion, Santa Clara, CA March 2021 to present**

 **Senior Network Engineer**

 **Responsibilities:**

* Involved in managing Client’s global network services(GNS) and implemented network management and Firewall services, Wireless, and Load balancing technologies.
* Provided the full Implementation services on ISE, ASA 5500X & Palo Alto Next generation firewall and Prime.
* Implemented IPv4 enterprise network infrastructure utilizing Juniper routers like Juniper MX80, MX 480 and MX960.
* Experience in Qos on multicast VPN
* Also configured built-in out of the box applications like Easy-QOS, PNP and IWAN App.
* Assisted in the architecture, evaluation and recommendations related to purchasing and installing hardware, software related to IPv4 and IPv6 Networking.
* Designed the migration from Cisco Catalyst 6513 switches with Sup 720 to Nexus 7009 with Nexus 7000 Supervisor 2E, F&M line cards in data center with features like VPC and VDC's.
* Planned and deployed of MPLS Layer 3 VPN cloud, involving VRF, Route Distinguisher (RD), Route Target (RT), Label Distribution Protocol (LDP) & MP-BGP.
* Provide Load Balancer expertise on F5 BigIP LTM and GTM devices like 7050 and 2200 and Troubleshoot application slowness.
* Implemented IPv4 enterprise network infrastructure utilizing Juniper routers like Juniper MX80, MX 480 and MX960.
* Performed Nexus In-Line Service upgrades and deployed advanced nexus features VPC and VDC.
* Deployed Nexus 2248 Fabric Extenders, 5596 series Fabric Interconnect and 7010 with f3 modules, with features like VPC, VDC, and Fabric Path for high availability and redundant server farm environment.
* Set up VSS cluster, ether channel, VLAN trunking, VTP and inter - VLAN routing on Catalyst 6509 and 6513 switches.
* Responsible for the configuration of Cisco router ASR 1k, ISR 44XX, 7000, 3800, 2800 series. Configurations involved routing protocols like OSPF, BGP, and EIGRP.
* Performed Route Filtering and Route Manipulation by applying distribute-lists, route-maps, administrative distance and offset-lists.
* Installing and configuring Palo Alto firewall devices on the network.
* Troubleshooting and configuring access lists on Palo Alto firewall.
* Monitor and manage network devices using Cisco Prime LMS, Cisco Prime Infrastructure manager Tools.
* Assisted in the architecture, evaluation and recommendations related to purchasing and installing hardware, software related to IPv4 and IPv6 Networking.
* Used Illumio to stop lateral movement and securely migrate applications to the cloud and overcome data center and cloud security challenges
* Add Trunks, Spanning Tree protocol, Port-Security, VLAN-MAPs and DOT1X for Switches and Wireless.
* Worked on creating EC2, IAM, and CDN tools in AWS cloud environment.
* Troubleshoot issues with Wireless Access points (Cisco 3502) and configure SSID’s on 5520 Wireless LAN Controllers.
* Design, implementation and operational support of routing/switching protocols in complex environments including BGP, OSPF, EIGRP, Spanning Tree, 802.1q etc.
* Responsible for Palo Alto firewall management and operations across our corporate networks.
* Responsible for Working with JTAC/CISCO TAC for resolving escalated issues and bug fixes.
* Monitored network traffic and developed capacity-planning initiatives, making necessary recommendations, additional resources or hardware.
* Responsible for writing and executing Test Plan, Desk level procedures and Test Case for smooth network operations.
* Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.
* Experience working with Cisco Nexus 2148 Fabric Extender and Nexus 5000 series to provide a Flexible Access Solution for datacenter access architecture.
* Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture. Configured BPDU Guard, port-fast, uplink fast and other spanning tree features.
* Experience through Hand-on Experience with configuring T1.5, Gigabit Ethernet, Channelized T3 and full T3, OCX, ATM.
* Provided Network Support in the designing and implementation of Point-to-point over T1s Frame Relay, DSL over ATM and IP over Frame Relay and Gigabit Ethernet.
* Involved in switching technology administration such as creation and management of VLANS, Port security, trunking, RPVST+, Inter-VLAN routing, LAN security etc.
* Configured STP, RSTP in the Access Layer Switches (2950, 2960, 3750 and 3550) as a loop prevention mechanism. Configured Port-security, Private-VLANS for maintaining loop free and secure environment.
* Implemented port aggregation & link negotiation using LACP and PAGP.
* Provided proper documentation to maintain accountability and priority of installation during the migration. Ensured proper documentation was delivered to Change Management team, Incident Management.
* Expertise in deploying BGP multi-homed network using AS-Path, MED, etc.
* Experience in working with F5 BIG-IP LTM load balancing technologies.
* Worked on Riverbed network and application performance monitoring tools.
* Worked on ASA Firewall rule management as part of network operations to take care of Firewall ACL requests.
* Implemented Cisco Firepower and integrate Firepower with unsupported up and down stream switches so deep understanding of network concepts were required to driver project success.
* Involved in the cloud networking like NOC and traffic and capacity planning.
* Used internal network monitoring tools to ensure network connectivity and protocol analysis tools to assess the network issues causing service disruption.
* Used internal network monitoring tools such as Solar Winds, ExtraHop to ensure network connectivity and Protocol analysis tools to assess the network issues causing service disruption.
* Network documentation including Visio Diagrams, Rack Elevation Diagrams, Backbone Fiber/Copper Diagrams, Cabling reference documents, Run books.

**BNY Mellon, NY June 2019 – Feb 2021**

**Senior Network Engineer**

**Responsibilities:**

* Worked on MPLS for redirecting data from one network node to another network node based on the shortest paths.
* Install and monitor application traffic using network protocol monitoring tools such as NTOP or Wireshark to analyze network usage and bandwidth and run diagnostic programs to resolve problems.
* Involved in Network support, implementation related internal projects for establishing connectivity between the various field offices and data centers.
* Advanced knowledge in the installation, configuration, maintenance and administration of Palo Alto Network firewalls, Panorama, Checkpoint and Fortinet Firewalls.
* Security: ISS IPS Site Protector, IES Proventia, Cisco PIX, VPN, Cisco ASA, Juniper, NetScreen/Checkpoint/Fortinet/Fortigate Firewalls and Illumio adaptive segmentation usage
* Configured and maintained OSPF protocol which included deployment of new locations in the existing infrastructure created Stub/areas and configured summarization for effective routing.
* Moved datacenter from one location to another location, from ASR1006 to Nexus 7010.
* Responsible for Crossroads rollout LAN/WAN problem determination and diagnosis, provide project leadership (onsite, offsite).
* Establish AWS technical credibility with customers and external parties.
* Spearheaded the project to replace cisco wireless environment with Aerohive, Aruba and Meraki wireless access points throughout the company locations.
* Designed, deployed, and managed over 30 multi-site level networks including Sophos firewalls, VMware SDWAN (VeloCloud), Amazon AWS S3 buckets, on-site ESXI Hypervisors, Microsoft Windows servers, IPsec Tunnels, wireless networks (Ruckus) and backups (Veeam, Arcserve) for both clients and internal systems.
* Configured and installed VOIP CUCM and cisco unity system, prepared network assessment for testing utilization for VOIP traffic and deployment and trained the user with more value-added services.
* Managed and modified the availability of LAN and WIFI resources in the Microsoft server and active directory environment.
* Involved in Configuration of Access lists (ACL) on Juniper and Palo Alto firewall for the proper network routing for the B2Bnetwork connectivity.
* Migrated the policies from Cisco ASA firewall to Palo Alto Firewall
* Advance Cisco SDN ACI and Meraki solution, Tetration
* Was part of a team tasked with developing a Managed Security Solution. Acquired and tested many firewalls. Suggested, and eventually used Fortinet solution.
* I Upgraded ASA 5505S to 5525X with Firepower.
* Setup high availability ASA pair with Firepower.
* Assisting with the design and deployment of a Cisco Firepower cluster in the core.
* Deployment of enterprise firewalls (Palo Alto Networks, Cisco ASA, Check Point) in production environments.
* Involved in configuring Juniper SRX 550 and Cisco ASA 5585 firewall and check point firewalls.
* Implemented Access lists and policy mapping on Juniper router installed in each branch across all the locations.
* Configuring OSPF, Static and default routing on Juniper MX series Routers.
* Successfully implemented the datacenter segmentation project with 9k, 7K, 5K and 2K Cisco Nexus architecture, ISR and ASR 1001, 1004, 1006 series routers, F5 BIGIP 4000s and 7200v load balancers and Palo Alto Pa-5000/3000 series firewalls.
* Secure Email Gateway, WebMarshal proxy gateway and Secure Connect Fortinet Firewalls Provide Level 3 support for Aruba WLAN mobility controllers, Access Points and Aruba Instant Access Points.
* Configured Cisco ISE for Domain Integration and Active Directory Integration.
* Configured Cisco ISE for Wireless and Wired 802.1x Authentication on Cisco Wireless LAN Controllers, Catalyst Switches, and Cisco ASA Firewalls.
* Responsible in troubleshooting on Cisco ISE added new devices on network based on policies on ISE.
* Participating in the design and planning aspects of the network infrastructure that is installed in the new building and testing of the internal network infrastructure in the new building and troubleshooting and remediating any issues.
* Manual testing of l2, protocols such as STP, RSTP and checking whether they work properly on switches. And then configuring the VLANS on Cisco switches.
* Responsible for performing the functional testing and bug verification of L3 protocols using cisco routers.
* WAN optimization POC utilizing Riverbed steelhead, Cisco WAAS and silver peak appliances. Configured and installed devices into pilot sites and production data center.
* Worked on different monitoring tools like what's up gold, stat seeker, Net brain.
* Configured and installed switches like 3850, 4510 and installing at wan sites as per the customer requirement.
* Configuration and installation of LAN switches and wireless network infrastructure equipment and cabling all uplink and user network connections.
* Experience in configuring, testing and monitoring the different security devices like Palo Alto firewalls PA-5000 series and PA-3000 series and Gigamon’s like GigaVUE-HC2.
* Configured Cisco ISE for Domain Integration and Active Directory Integration.
* Configured Cisco ISE for Wireless and Wired 802.1x Authentication on Cisco Wireless LAN Controllers, Catalyst Switches, and Cisco ASA Firewalls.
* Responsible in troubleshooting on Cisco ISE added new devices on network based on policies on ISE.
* Experience in migrating the existing Palo Alto Firewalls to the new deployed Nexus core environment.
* Worked on F5 LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability.
* Upgraded load balancers from adware to F5 BIGIP v9 which improved functionality and scalability in the enterprise.
* Worked on ONS DWDM 15414 ring 1 and ring2.
* Working with the DIRM Networking team and NC FAST IT staff to review current VLAN configuration, IP routing and firewall access control for existing networks, and applying the necessary network and security access rules to the installed equipment.
* Installed and configured Cisco Meraki (MR66, MR18) wireless Access points in the warehouses.
* Troubleshooting Cisco APs and Meraki appliances.
* Worked on Info box to assign IP blocks.
* Worked with F5, CISCO ACE 4710 Load balancers, GSS and Wireless networks.
* Deployed Cisco Catalyst 7509, 6500, 4500, 4000, 3750, 3850, 3560 (Layer 2 through 7).
* Deployed and configured Cisco ASR 1000, 7000, 9000 series routers.
* Responsible for Configuration of Palo Alto 5050 devices with layer 7 filtering of traffic traversing the internet.
* Worked with Nexus OS, IOS, CATOS and Nexus 9k, 7K, 5K & 2K Switches.
* Deployed Juniper switches EX4500 and EX4200, routers M7i and M10i and Junos OS.
* Deployed Cisco 2500 and 5800 Series Wireless Controllers and 1xxx and 2xxx series Access Points.
* Worked and working with Cisco ASA 5525 firewalls with current and demonstrated expertise with ACL security in a multi-VLAN environment.
* Vendors Network connectivity investigation, Creating Firewall Rule Change Requests mostly in
* Cisco ASA to Palo Alto firewalls.
* Worked with Firewall DMZ zones and configuring them.
* Worked with load balancer for converting CSS to ACE.
* Working with LTM and GTM for scaling and securing DNS infrastructure during high volumes.
* Configured Multiprotocol Label Switching (MPLS) with Routing Information Protocol (RIP) on the customer's stage.
* Used Security- Firewalls, NAT / PAT, IPSEC, S2S.
* Used ALG (RTP, RSTP and FTP, DNS, HTTP), DHCP.
* Worked with API's for troubleshooting Network issues using Wireshark and NTOP.
* Back up a Cisco IOS to a TFTP server and upgraded and restored a Cisco IOS from TFTP server.
* Worked with Info box for secure DNS, DHCP and IPAM.
* Responsible for monitoring and controlling of RSA envision SIEM aligned to internal PCI and SOX controls.
* Familiar with the working environment of Palo Alto networks.

**Availity, FL Sep 2017 – May 2019**

**Role: Network Security Engineer**

**Responsibilities:**

* Upgrade Cisco 7200, 3600 Router IOS Software, backup Routers and Catalyst 3560, 4500 switch configurations.
* Delivered highly specialized support to worldwide customers that run Palo Alto and Cisco ASA in their network infrastructure.
* Analyzed, configured and troubleshoot the LAN/WAN networks. Monitor Network traffic and

access logs in order to troubleshoot network access issues.

* Planning designing, Installation, configuration and maintenance of 802.11a/b/g Wireless Networks and Aironet Wireless Access points.
* Deployment, configuration, and management of 802.1x solutions to include Cisco Identity Services Engine (ISE), ACS (Radius and TACACS+), and Cisco Prime Infrastructure.
* Utilize Cisco Tetration hardware and software sensors to understand application flows and to build ACI contracts along with documenting application mappings
* Installed ESXi 6.5 (bare-metal vSphere hypervisor) on Cisco UCS-C220-M4S server and installed the following Vms: Cisco ISE 2.4 and Windows Server.
* Worked with VM segmentation ( VMware NSX, Illumio, vArmour, GuardiCore), Firewall management and auditing (FireMon, Tufin, AlgoSec, RedSeal, Skybox, etc.) Sandboxing and Analytics (FireEye, Damballa, Check Point, Fortinet, Palo Alto) Network packet brokers (Gigamon, IXIA, NetScout)
* Created/modified necessary profiles that allowed authorized devices on to the network.
* Installed, configured new ISE nodes and connected them to external Active Directory services.
* Working on CISCO Prime and Wireless controller to Manage all WAPs in campuses.
* Assisted in layer 2 issues with the senior engineer as well as monitor the status of the network with ExtraHop for the LAN/WAN and Cisco Prime for the wired and wireless LAN.
* Maintain and configure Cisco core and access layer switches in production environment.
* Addressed technical issues and questions regarding Cisco ISE including troubleshooting and feature changes and modifications.
* Designed and configured the commands for QoS and Access Lists for Nexus 7K and 5K.
* Design and Implement a MPLS network for a new subsidiary with BGP redistribution into OSPF
* Maintained Cisco FirePower and adjusted filtering rules as need by individual business units.
* Designed the implementation plan to add the new Cisco Firepower FMC and four of the 4110 modules to improve IPS performance.
* Work with vendors to design a new datacenter solution with Cisco Nexus 9000 switches and ASR Routers
* Implementing IP Routing protocols EIGRP, OSPF, BGP, RIPv1 and RIPv2.
* Install and manage Cisco Catalyst 3500XL, &2960 series Switches and Cisco 1800, 3900 series routers.
* Perform configuration and maintenance of LAN\WAN technologies such as Ethernet and Fast Ethernet.
* Perform network control with secure DNS, DHCP, and IPAM using Infoblox.
* Manage IP address and DNS using QIP and resolve DNS queries using BIND.
* User management and creating user accounts on Windows Active directory.
* Participating in disaster recovery testing,maintaining system documentation logs and assisting in troubleshooting and diagnosis of system problems.
* Plans, coordinates, implements and supports the LAN / WAN hardware, software and Internet /Intranet integration network connectivity, diagnose network failures and resolve any problems.
* Troubleshoot Frame Relay; T1, T3, IP and OSPF related router and circuit issues.
* Maintaining MacAfee Web washer proxy to control the user traffic.
* Configuring various advanced features (Profiles, monitors, I Rules, Redundancy, SSL/TLS Termination, Persistence, SNATs, HA on F5 BIGIP appliances, SSL termination and initiation, Persistence, Digital Certificates, Executed various migration/upgrade projects across F5 and hands on with F5 BIGIP LTMs/EM.
* Worked on F5 LTM series like 7050, 5050, 2200 for several applications and their availability.
* Created Python script for automating VTP configurations on all Cisco switches.
* Created python script for automating interface turn-ups and sending email alerts for change notification.
* Supported the design, development and implementation of the Riverbed Steelhead and Interceptor architecture for WAN optimization.
* Worked on Riverbed Steelhead-5050, Steelhead-7050 optimizer and Interceptor-9350 appliances.
* Responsible for the configuration of Virtual Servers, Nodes, and load balancing Pools and configuring load balancing algorithms.
* Monitor performance of network and servers to identify potential problems and troubleshoot problem areas as needed with Solarwinds.
* Handled Tech Support as it relates to LAN & WAN systems.
* Primarily involved in Troubleshooting issues on a day to day basis & provide solutions that would fix the problems within their Network.
* Use Remedy ticketing system to track and resolve trouble tickets.

**Yash Technologies, India June 2015 - Aug 2017**

**Role: Network Engineer**

**Responsibilities:**

* In-depth expertise in the implementation of analysis,optimization, troubleshooting and documentation of LAN/WAN networking systems.
* Performed IOS Software upgrades on switches 6500, 3750 and 4500s
* Supported nationwide LAN and Data center infrastructure consisting of Cisco 4510 ,catalyst 6513, Cisco NX 9k.
* Configured Cisco Prime for wired and Wireless Infrastructure.
* Assessed client Wireless Security requirements and discovered Infrastructure.
* Installed Cisco Identity Server (ISE) and configured and customized Sponsored Guest Portal.
* Experienced in Cisco Identity Service Engine (ISE) Devices 3350, 3300.
* Worked with the different authentication and authorization models within ISE 1.x and 2.x.
* Designed and built datacenter, and subsequently migrated datacenter.Supporting the production network.
* Lead a team of 24 Network Engineers covering 1400+ Global Sites and 32 b2b partner connections
* Worked on Cisco Layer 2 switches (spanning tree, VLAN).
* Configuration and troubleshooting of Juniper EX/QFX series and Cisco 2500, 2600, 3000, 7500, 7200 Series routers.
* Design and configuring of OSPF, BGP on ASR Routers and Palo Alto Firewalls.
* Planning and configuring the routing protocols such as OSPF, RIP, and Static Routing on the routers.
* Troubleshooting IOS related bugs based on past history and appropriate release notes.
* Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500, Checkpoint Firewalls.
* Deployed and Implemented 3rd party security applications using Crossbeam hardware and software Platform.
* Clear understanding of IAM workflow and tools and technology in Identity and Access management area.
* Assisted in executing the implementation of IAM systems and upgrade to systems as needed.
* Worked on F5 BIG-IP LTM 8900, Citrix NetScaler Configured profiles, provided and ensured high availability.
* Complete basic configurations on the F5 Big-IP LTMs and GTM load balancer on existing network to split traffic on web-servers.
* Configuring ASA (5540/5550) Firewalls. Implemented Security Policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS).
* Implemented traffic filters using Standard and Extended Access Control lists. Handled Route-map, Re-distribution list & access-list configurations.
* Perform network control with secure DNS, DHCP, and IPAM using Infoblox.
* Used tools WireShark, Packet Sniffer and Microsoft Network Analyzer for monitoring LAN’s and WANs for Network connection and failure issues.
* Understanding of JUNOS platform and worked with IOS upgrade of Juniper devices.
* Installation and configuration of HP MSL, HP Store Once D2D Systems, EMC DataDomain
* Installation of VMware ESX, NSX Servers, vSphere Client and Vcenter Server.
* Create the data store for storing VMs and data.
* Efficient at use of Microsoft VISIO/Office as technical documentation and presentation tools.
* Create and test Cisco router and switching operations using OSPF routing protocol, ASA& Palo Alto Firewalls, and MPLS switching for stable VPNs.
* Install, configure and maintain several Cisco DMVPN router servicing smaller Sites, Several Edge router running BGP and MPLS to Internet service providers.
* Administering the Microsoft Windows Servers and managing disk space, user profile creation and user rights management.
* Monitored LAN’s and WAN’s for Network connection and failure issues using tools such as solarwinds and Microsoft network Analyzer.
* Take support calls and troubleshoot various Layer 2 & Layer 3 network connectivity issues.
* Work Requests completed using Salesforce Ticketing systems.
* Troubleshoot issues related to VLAN Trunking, NAT inside, ACL, MTU mismatch, EIGRP AS, Switchport Trunk, GRE Tunneling.