**Vandit**

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**PROFESSIONAL SUMMARY:**

* **7+ years** of experience in **Networking and Security**, including hands-on experience in providing network support, installation and analysis for a broad range of **LAN/WAN/MAN** communication systems.
* Detailed understanding of different layer 2 protocols like **VLANs**, **VTP, STP**, **RPVST**, **Port Security**, and **Ether Channels (LACP and PAGP).**
* Experienced in Data-Center **Cisco** **Nexus 5k/7k/9k series switches**.
* Implemented **VDC**, **VPC, VRF** and **OTV** and implemented **VSS** on Cisco catalyst **6509** and **6513** switches.
* Experienced and skilled in configuring Routing Protocols **RIP, EIGRP, OSPF and BGPV4** on **Cisco** routers like **2600, 2900, 3600, 3900, 7200** and **7600** series.
* Designed Redundancy Gateways for Campus Network using **HSRP/VRRP/GLBP.**
* Has expertise to work in **Cisco ASA/Checkpoint/Juniper/F5/Riverbed** Products.
* Experience with Networking in **AWS, Azure, GCP,** and **Linux** environment.
* Hands on experience in configuring and supporting site-to-site and remote access Cisco, **IPsec**, **VPN** solutions using **ASA/PIX** firewalls, Cisco and VPN client.
* Experience in troubleshooting of **DNS, DHCP** and other IP conflict problems.
* Worked on **F5 LTM, GTM** **series** like **6400, 6800, 8800** for the corporate applications and their availability.
* Experience in testing Cisco/ Juniper routers and switches in laboratory and deploy them on site production.
* **DMZ** zoning & configuring **VLANs/routing/NAT** with the firewalls as per the design.
* Working experience with **6500** series switches at layer 2 and layer 3.
* Working experience with Wireless **LAN Controller (WLC)** and Light Weight Access Point **(LWAP).**
* Expertise is maintaining stable **STP** topology using protocols such as Port fast, **BPDU** guard, root guard and **UDLD.**
* Experience in Trunking protocols **802.1q and ISL**.
* Configuring **BGP/OSPF** routing policies and designs, worked on implementation strategies for the expansion of the **MPLS VPN** networks.
* Familiar with **REMEDY** for ticket change management process.
* Experience in **Meraki** switches**,** access points and **Meraki** dashboard
* Experience with **Nokia 7750 SR, 7450 ESS, 7705 SAR, 7210 SAS, 5620 SAM**
* Expertise in configuring and troubleshooting of **Palo Alto**, **Juniper NetScreen** & **SRX** Firewalls and their implementation.
* Experienced in **Cisco IOS, Juniper JUNOS** Hands-on experience, specializing in Cisco Environment in Data Center, systems, network and user administration, **LAN / WAN** and **Security**.
* Troubleshooting and monitoring application issues using tools like **Wire-shark**, **SolarWinds.**
* Excellent inter-personal skills with the ability to work in a team of large members with minimum supervision necessary.
* Experience in documentation and updating client’s network documentation using **Microsoft** **Visio**.
* Supported Large Frame-Relay**, MPLS, E1/T1, ISDN**, Analog networks.

**EDUCATION:** MS in Electrical Engineering, Texas A&M University, Kingsville – 2018

**TECHNICAL SKILLS:**

* Routers/Routing Protocols: Cisco 7600, 7200, 3800, 3600, 2900, 2800, 2600; Juniper series MX, QFX, PTX and SRX, vSRX; Nokia 7750 SR, 7705 SAR; OSPF, EIGRP, BGP, RIP v1/v2, PBR, Route Filtering, Redistribution, Summarization, and Static Routing, IS-IS, ICMP, FTP, SMTP, HTTP/HTTPS
* Switches/Switching Protocols: Nexus 3K/5K/7K/9K, Cisco Catalyst 6500, 4500, 3850, 3560, 3750, 2960; Juniper EX3200, EX3400, EX4200, EX6200; Nokia 7450 ESS, 7210 SAS; UCS-C, UCS-D, UCS-M, CUCM - LAN, VTP, STP, PVST+, RPVST+, Inter VLAN routing & Multi-Layer Switch, EtherChannel, Transparent Bridging
* Network Security: Cisco ASA 5540, ACL, IPSEC, F5 Load Balancer, Checkpoint, Blue Coat, Palo Alto, SCADA, Process Control Domain (PCD)
* Cloud Based: AWS, Azure, Google, Aviatrix Multi-Cloud Network Architecture
* Load Balancer: F5 Networks (Big-IP) LTM 8900 and 6400, GTM
* LAN: Ethernet (IEEE 802.3), Fast Ethernet, Gigabit Ethernet
* WAN: PPP, HDLC, Channelized links (T1/T3), Fiber Optic Circuits, Frame Relay
* WLAN: Autonomous AP’s, Lightweight AP’s, WLC, Channels- 802.11b/g
* Communication Protocols: ARP, Wi-Fi, WiMAX, CDMA, GSM, Bluetooth
* Gateway Redundancy: HSRP, GLBP
* DHCP and DNS: Infoblox, QIP
* Various Features & Services: IOS/JUNOS and Features, IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, TFTP, FTP, TACACS+, RADIUS
* Network Management: Wireshark, SNMP, SolarWinds, ServiceNow, Citrix NetScaler

**PROFESSIONAL EXPERIENCE:**

### Teradata, Bellevue, WA April 2020 - Present

### Cloud Network Engineer

**Responsibilities:**

* Maintaining and troubleshooting live production network services in the event of outage, performance, or functionality issue.
* Level 2 support. Handle Level 2 tickets and escalating to Level 3 as required. Managing the documents in the internal wiki and run books.
* 24x7 support to production Software as a Service (SaaS) infrastructure
* Providing feedback and insight on designing and scaling of SaaS and cloud-based environments and tools.
* Demonstrated networking knowledge includes TCP, UDP, IP, SSH, VLAN, VRF, DNS, and HTTP
* Interact with external customers to configure new connections and if necessary, troubleshoot existing connections into our gateway.
* Cisco Firewalls, Cisco PIX & ASA 5500(5510/5540) Series, experience with convert PIX rules over to the Cisco ASA solution.
* Configuration the access-list rules, network object-service group based on well-known port the port i.e. FTP/SFTP, SSH, HTTPS/HTTPS (SSL) etc.
* Worked with different vendors and implement Site-to-Site VPNs over the Internet.
* created lot of site-to-site IPSEC VPN tunnel with Checkpoint, Palo Alto, Juniper firewalls and Cisco PIX/ASA firewalls.
* Prepare network diagrams and keep existing network diagrams up to date.
* Networking experience in Public Cloud Platforms – AWS, Azure and GCP. Experience with connectivity solutions between on-prem & public cloud networks as well as Intercloud platform connectivity.
* Experience with VPC peering, Cloud Interconnect, point to point IPsec tunnels, Site to site IPsec VPN, SSL VPNs, NSG, NAT, direct connect, EC2, ACLs, Firewall security rules, load balancer, IAM services (Identity Access Management) in Multi cloud environment like AWS, Azure and Google Cloud platform (GCP).
* Implemented NAT gateway using VM instance in GCP with testing and development environment and implemented in production network design architecture.
* Implemented Squid proxy server in testing environment.
* Experience on Linux based Networking with Redhat, Ubuntu and SuSE environments – routing and route policies.
* Maintain network documentation, run-books, diagrams, and network assets in the configuration management database.
* Configure and install various network devices and services (e.g., routers, switches, firewalls, load balancers, VPN, QoS) in both physical and virtual environments.
* Level 2 support. Handle Level 2 tickets and escalating to Level 3 as required. Managing the documents in the internal wiki and run books.
* Experience with Virtual routing, firewalls, hosting, load balancing
* Testing python automation scripts and APIs for Provisioning networking on GCP.
* Experience with Jira and ServiceNow tools.

### Amazon - Seattle, WA July 2019 – March 2020

### Network Engineer III

**Responsibilities:**

* Responsible to support AWS network connectivity and Retail website
* Performed regular upgrades to network infrastructure components and diagnosis of complex networking problems by developing detailed implementation plans including communication strategies, validation and back out procedures
* Configuring routing protocols such as OSPF, EIGRP, and BGP with Access Control lists implemented as per Network Design Document and followed the change process as per IT policy. It also includes the configuration of the port channel between core switches and server distribution switches.
* Working in Internet Edge team to troubleshoot BGP problems in transit center worldwide
* Configuring and Troubleshoot Static, BGP and OSPF Routing Protocols on Juniper Routers
* Configuring QoS on Cisco ASA 5505 to maximize bandwidth and protect VoIP traffic.  Strong exposure on various operation systems like IOS, NX-OS, IOS-XR, IOS-XE and Junos-OS
* Involved with standard Change management process of company to avoid any unexpected incidents that could impact customer services
* Upgrading Juniper OS in MX480, MX960 and PTX1000 routers to latest version 17.2X50-D15.104
* Upgrading Juniper OS in EX Series switches to version 13.2X50-D15.3
* Responsible to give support after JUNOS upgradation task
* Automating the installation of software's through Ansible scripts
* Hands-on experience in escalating JTAC case in hardware issues
* Assigned to communicate with peers to establish and maintain BGP sessions
* Great experience with prechecks and post checks like network capacity, accessibility during upgradation task
* Assisted with providing requirements for implementing SD-WAN across an enterprise
* Monitoring All the network device owned by our team on ServiceNow Discovery tool. As well as any addition of new device in network must be added to the list in this tool manually.
* Assisted in migration of traditional Data Center infrastructure having Nexus 5k, 7k, 9k to Cisco ACI
* Configured F5 LTM solutions, which includes VIP, Pool Load Balancing Methods, probers and monitors
* Experience with DNS/DHCP/WINS Standardizations and Implementations with Infoblox
* Experience with Network Monitoring tool SolarWinds NetFlow to ensure the uptime of AWS Border Network
* Having experience in traffic shifting automation and traffic engineering
* Performing GIT operations and changes using GIT repository
* Hands-on experience with python scripting to generate code reviews for bigger changes
* Remotely deploying configuration files to devices through python automation in worldwide AWS Data centers
* Coordinating with core network teams to troubleshoot OSPF and MPLS issues
* Hands-on experience in Data Center management with Cisco Nexus switches 9k,7k,5k,3k.
* Migrating all cisco switches (2960, 3750, 3850, 4500, 6500) to related juniper switches (EX3200, EX3400, EX4200, EX6200)
* Responsible for network uptime and all changes are executed on times
* Coordinating with the network staff to develop and enhance processes and procedures for disaster recovery
* Documented workflow process, managing and implementing standard policy and procedures.
* Worked on day to day Problem solving Trouble tickets assigned to individuals in the team

### Univar Inc, Redmond, WA Feb 2018 – June 2019

### Network Engineer

**Responsibilities**

* Configuring & managing around 500+ Network &Security Devices that includes Cisco Routers & Switches, Nexus Switches, Juniper and Palo Alto Firewalls, F5 BigIP Load balancers, Blue Coat Proxies and Riverbed WAN Optimizers.
* Regular upgrade and maintenance of Infrastructure, Installing, configuring, and maintaining Cisco Switches (2900, 3500 ,7600, 3700 series, 6500 series) Cisco Routers (4800, 3800, 3600, 2800, 2600, 2900, 1800, 1700, 800) Cisco Router and Switches, Juniper Routers and Firewalls, Nexus 7k,5k & 2k, f5 BIG IP, Palo Alto Firewalls, Bluecoat Proxy and Riverbed Steelhead appliances
* Configuring various BGP attributes such as Local Preference, MED, Extended Communities, Route-Reflector clusters, Route-maps and route policy implementation.
* Managed Day to Day network monitoring activity such as adding a new device, traffic monitoring, Scalability, link Utilization, etc. on ServiceNow and SolarWind.
* Successfully migrated the cisco legacy environment which consist of 6500, 4500 to Cisco Nexus 9k/7k/5k series for Leaf and spine topology.
* Good exposure to SDN and Network virtualization with cisco ACI.
* Worked on implementation of load balancer configuration and VPN using the Citrix NetScaler
* Migrated Nokia 7750 SR, 7705 SAR with Cisco ASR 72xx series routers.
* Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
* Coordinates SCADA changes with Operations and I&C technician for maintenance and Root cause analysis as needed.
* Security policy review and configuration in Palo Alto and Juniper SRX Firewall in US offices and Datacenter.
* Worked extensively in Configuring, Monitoring and Troubleshooting Juniper security appliance, Failover DMZ zoning & configuring VLANs/routing/NATing with the firewalls as per the design.
* Conversions to BGP WAN routing. Which will be to convert WAN routing from OSPF to BGP (OSPF is used for local routing only) which involves new wan links.
* Planning, Designing and assisting in deploying enterprise wide Network Security and High Availability Solutions for ASA.
* Experience of IP/MPLS/Optical Transmission network for access transport & back haul network to facilitate 2/3/4G Network.

**Sanofi, Reston, VA July 2016 – Jan 2018**

**Network Engineer**

**Responsibilities:**

* Involved in Integration, configuration and maintenance of Cisco Router, Catalyst Switches and Firewalls.
* Configuring RIP, OSPF and Static routing on Juniper M and MX series Routers.
* Responsible for all routing, switching, VPN, network security, and server load balancing.
* Implementing, configuring and troubleshooting routing protocols such as OSPF (v3, v2), RIPv2, BGPv4, EIGRP, HSRP, GLBP and MPLS.
* Implemented various EX, SRX & J series Juniper devices
* Have created lot of site to site IPSEC VPN tunnel with Checkpoint, Juniper Netscreen firewalls and Cisco PIX/ASA firewalls. Completed a project to update the patch HFA50 across all the firewall to overcome the bugs in the existing version of R65.
* Supported end user network cisco ACI infrastructure and trouble shot several implementations of LTM and APM configuration.
* Configured PPP, HDLC, BGPv4, EIGRP, MPLS and OSPF routing.
* Maintain, configure and utilize new and existing monitoring tools ServiceNow Discovery and SolarWinds NPM
* Configured Juniper MX480s, EX8200s, EX4500s, EX4200s, from scratch to match design.
* Worked with the Trouble Tickets on F5 Load balancers on LTM module
* Switch experience includes Cisco Catalyst switches: CISCO 3750, 4500, 6500 series switches.
* Experience working with Cisco nexus 9k/7k as layer 3/layer 2 switches in spine and leaf data center topology.
* Configuration and maintenance of OSPF protocol which was the enterprise IGP. Configuration included deploying of new branch locations or new network devices in the existing infrastructure. Creating Stub Areas & configuring Summarization for effective Routing.
* SCADA maintenance and support work with technician team in production.
* Provided technical support for full setup, debugged the problems of OSPF, switching and HSRP.
* Create and test Cisco router and switching operations using OSPF routing protocol, ASA Firewalls for stable VPNs.
* Configured Object Grouping, Protocol Handling and Code up gradation on ASA Firewalls.
* Configuration the access-list rules, network object-service group based on well-known port the port i.e. FTP/SFTP, SSH, HTTPS/HTTPS (SSL) etc.
* Switching related tasks included implementing VLANs, VTP and configuring and maintaining multi VLAN environment and inter-VLAN routing on Fast-Ethernet channel.
* Worked with different vendors and implement Site-to-Site VPNs over the Internet.
* Security policy review and configuration in Palo Alto and Juniper SRX Firewall in US offices and Datacenter.
* Working knowledge of the UNIX and CLI based command to implement the networking tools.
* Configuration of ACLs in Cisco 5540 series ASA firewall for Internet Access requests for servers in LAN and DMZ and for special user requests as authorized by management.
* Involved in L2/L3 Switching Technology Administration including creating and managing VLANs, Port security, Trunking, STP, Inter-VLAN routing, LAN security.

### Regal Beloit, South Windsor, CT                                                     Mar 2015 – June 2016

### Network Engineer

### Responsibilities:

* Involved in configuring Site-to-site and remote access VPN solutions.
* Installed and configured Cisco 7200 series router and Cisco 2950, 4500, 6500 Series switches.
* Configured network using routing protocols such as RIP, OSPF, and BGP and troubleshooting L2/L3 issues.
* Worked on multiple projects related to Branch networks, Campus networks, extranet clients and Data Center Environments involving in data center migrations from one data center to another.
* Provided estimated bandwidth requirements for data replication, to best determine adequate timing for migration service levels
* Created data migration strategies to help with completion of migration of data center from one point to another.
* Configuring RIP, OSPF and Static routing on Juniper M and MX series Routers
* Configuring VLAN, Spanning tree, VSTP, SNMP on EX series switches
* Time to time upgrade network connectivity between branch office and regional office with multiple link paths and routers running HRSRP, EIGRP in unequal cost load balancing to build resilient network.
* Design and implement Catalyst/ASA Firewall Service Module for various LAN’s.
* Key contribution includes troubleshooting of complex LAN/WAN infrastructure that include routing protocols EIGRP, OSPF, & BGP.
* Configured Client VPN and RSA Token ID technologies including Cisco’s VPN client via IPSEC.
* Configuring ACL to allow only authorized users to access the servers.
* Participated in on call support in troubleshooting the configuration and installation issues.
* Installation, maintenance, troubleshooting local and Wide Areas Network (ISDN, Frame relay, DDR, NAT, DHCP, TCP/IP).
* Provided technical support in terms of upgrading, improving and expanding the network.
* Providing technical security proposals, detailed RFP responses, and security presentation, installing and configuring ASA firewalls, VPN networks and redesigning customer security architectures.
* Developed local standard operating procedures and configuration guides for switches, routers, firewalls, and IPS/IDS devices.

**Kgn Technologies, INDIA Feb 2014 to Mar 2015**

**Jr Network Engineer**

**Responsibilities:**

* Responsible for monitoring the Network performance based on company’s Service Level Agreement (SLA).
* Documented the company’s design, implementation and troubleshooting procedures.
* Configured VLANs with 802.1Q Tagging according to the Server team’s requirements.
* Tested the new zone for failover capabilities and redundancy. Connected the Distribution routers to the Core routers via OSPF Areas.
* 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.
* Responsible for cabling and labeling based on day to day requirement and Racking & Stacking of various network equipment and made sure that there are no connectivity issues using ping and tracer.
* Provided Helpdesk support that involved identifying and escalating the tickets to specific groups.
* Responsible for level 2 support of existing network technologies / services & integration of new network technologies / services.
* Supported various LAN environments consisting of Cisco 6500 switches with Sup-720.
* Designed and implemented Cisco 7500, 7200, 6500, 3600, 2600 Series routers in lab environment to reproduce various issues and test fixes for them.
* Troubleshooting complex LAN /WAN infrastructure that include routing protocols EIGRP, OSPF.
* Configured Access-lists, Distribution-lists, Offset-lists and Route Redistribution.
* Involved in configuration of OSPF Summarization (Summarizing internal and external routes).
* Scalability of OSPF by Filtering of Intra, Inter and External OSPF routes
* Used various BGP Attributes and various Route-filters such as named Access-lists, Prefix lists, Route-maps to permit or deny routes and to change various attribute
* Experienced in implementation and troubleshooting knowledge of protocols and technologies, especially in the following: BGP4, OSPF, IPv4, and Ethernet.
* Configured Ether channels, Trunks, Vlans, HSRP in a LAN environment.
* Configured STP for loop prevention and VTP for Inter-VLAN Routing.
* Responsible for performing administration on BGP, OSPF routing protocols.