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**Professional Summary:**

* **7.6 years** of experience in networking, including hands-on experience in IP network design, support, installation, analysis and troubleshooting
* Experience in migration from Cisco infrastructure to Juniper MX routers and Switches such as EX and QFX-3500, QFX-5100
* Configured IP fabric with OTT architecture with Leaf and spine nodes using QFX5100 running BGP(Underlay/Overlay) for peering between the datacenters
* Knowledge in implementing and configuring F5 Big-IP LTM load balancers for load balancing and network traffic management for business applications.
* Proficient in Cisco IOS/JUNOS for configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS
* Expert level knowledge of troubleshooting, implementing, optimizing and testing of static and dynamic routing protocols such as EIGRP, OSPF, BGP with QoS ability to interpret and resolve complex route table problems
* Worked on Cisco 7200, 3900, 3800, 2900, 2800, 1900 series Routers and Cisco 6500,4500,3850 and 3750 series switches
* Worked on Juniper MX-960, MX-480,MX-240,MX-104, MX-80 routers &EX4600,EX4300, EX4200, EX2300, EX2200 switches
* Experience configuring and troubleshooting multivendor devices like Cisco ASA 5585, 5550, 5540, Juniper SRX series for branch/datacenter Setup. Configured Palo Alto Firewalls like PA-7050, PA-5050, PA-3060 devices with Panaroma for management
* Experience in implementation and troubleshooting of datacenter devices like Nexus 7000, Nexus 5000 and Nexus 2000 Series devices with VDC's /VRF’s configuration
* Experience in working with Cisco Nexus Switches and Virtual Port Channel configuration
* Experience in configuring Juniper Switches such as Ex-4200, EX-8200 in virtual-chassis mode
* Extensive knowledge in different networking protocols DHCP, DNS, FTP, VOIP (SIP, H.323, MGCP), Quality of Service (QOS)
* Experience in configuration and troubleshooting MPLS, L2VPN, L3VPN tunnels.
* In-depth knowledge on IP Addressing, Sub netting, VLSM and ARP, reverse & proxy ARP, Ping Concepts
* Expert Level Knowledge about TCP/IP and OSI models
* Extensive experience with Cisco IOS, Windows client/server operating systems and Linux
* Experience in working with tools like Putty, Exceed and Secure CRT
* Experience in using network performance monitoring tools like Solarwinds Orion, Plixer Scrutinizer, VPM, Ciscoworks, and Junos Space
* Experience in migration of networking devices in a multivendor network with devices like Cisco, Juniper, F5, and Palo Alto Networks
* Excellent understanding of the ITIL framework
* Excellent communication skills to interact with team members and support personnel, acting as a mentor to less experienced personnel
* Hands-on experience with Ether Channel, Spanning Tree, MPLs, Trunking, ACLs, Syslog, NAT, VLAN, VTP, STP, RSTP, MST
* Expert Level Knowledge about TCP/IP and OSI models
* Experience in F5 GTM, LTM, APM, and Viprion Series of devices. Worked on Cisco ACE 4710 Load balancers and Cisco WAAS, WAVE accelerators
* Experience in configuring HSRP and redistribution between routing protocols
* Demonstrated success record in: Managing multiple tasks with proven ability to meet deadlines and proactively identifying the problem to solve complex technical issues
* Highly enthusiastic, creative team player, project implementation, analytical, interpersonal and communication skills

**CERTIFICATIONS:**

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

**TECHNICAL SKILLS:**

* **Cisco Platforms**:Nexus 7K, 5K, 2K & 1K, Cisco routers (7600, 7200, 3900, 3600, 2800, 2600, 2500, 1900,1800 series) & Cisco Catalyst switches (6500, 4900, 3850, 3750, 3500, 4500, 2900 series), CSR/ASR, IOS-XR
* **Routing Protocols**: BGP, OSPF, EIGRP, IGRP, RIP, Routed Protocol TCP/IP, Multicast, HSRP, VRRP, GLBP.
* **LAN Protocols**:VLAN, VTP, Inter-vlan routing, ISL, dot1q, STP, RSTP, PVST, HSRP, GLBP, Ethernet, Port security.
* **WAN Technology**: MPLS, MPLS VPNs, LDP, L3VPN
* **Network Management**: SNMP v2, Cisco Works, 3Com Network Analyzer, MRTG, Solar winds, TACACS, Net flow, Cacti, Rancid, and Nagios.
* **Network Security**: Knowledge of Firewalls, Palo Alto Firewalls, ASA, IPsec, IPS/IDS, & VPN, Juniper SRX, Juniper VSRX, ACE Module and F5 Load Balancers
* **JuniperPlatforms:**

MX960, MX480, MX240, MX104, MX80 routers.

QFX5100, QFX3500, EX4300, EX4200, EX2200 Switches.

SRX1500, SRX550, SRX240, SRX210, SRX100 Firewalls.

* **Management tools**: SNMP, Syslog, Sniffer, and Wireshark.
* **Application Protocols**: DHCP, DNS, IPV6, FTP, TFTP.
* **Documentation**: Microsoft Office
* **Design Tools**: HP NA, MS Visio
* **Programming**: Python, Shell Scripting
* **Operating Systems**: Cisco CATOS, IOS, IOS-XR, NX-OS, JUNOS, MS Windows 2007/08, Windows Vista, Windows 8, Windows 10.

**PROFESSIONAL EXPERIENCE:**

**Active Health Management, NYC, NY Nov 2016- Present**

**Sr.Network Engineer**

**Responsibilities:**

* Responsible for working on multiple projects as assigned and work on network infrastructure related incidents.
* Interacted with clients directly to get the business/network requirements, discussed budget requirements with project managers, designed the network and worked on various phases of implementation.
* Involved in firewall policies implementation to meet access requirements of various teams. Worked on Cisco ASA/Juniper SRX Firewalls primarily with tasks involving policy changes, policy management as per vendor/client requirements add/design policies.
* Worked on LAN/WAN protocols/technologies, like BGP, EIGRP, OSPF, QoS Involved in implementing, monitoring, and troubleshooting.
* Responsible in the configuration of EIGRP, OSPF and BGP involving in the configuration & troubleshooting of routing protocols on Cisco 2900, 3900, ASR 9010, ASR 1002 devices across locations and datacenters.
* Configured EIGRP routing and BGP route maps to allow traffic from subnets out to the core to Datacenter on the ASR-1002 devices.
* Planning, Designing &implementing various solutions in distributed environment using Checkpoint, Cisco PIX & ASA, and Palo Alto NGFW.
* Configured FCOE using Cisco nexus 5548.
* Configured Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000 to connect servers and storage devices.
* Worked on VLAN, VRF, VX-LAN, VTEP, VPC on Nexus devices.
* Configured VRRP, GLBP and VLAN Trunking 802.1Q & ISL, STP, Port Security on Catalyst 6509 switches.
* Configured VLANs with 802.1q tagging, 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.
* Performed ISSU on Nexus Switches and responsible for troubleshooting application latency without disrupting the existing traffic.
* Worked with Service providers to implement MPLS circuits in the network
* Worked on F5 load Balancer, configured Virtual servers, pool, pool members, and on load balancing methods for LTM.
* Extensive Knowledge in IPSEC VPN design connection and protocols, IPSEC tunnel configuration, encryption and integrity protocols on Palo Alto firewall as well as cisco ASA and checkpoint.
* Configured virtual servers, nodes and load balancing pools on the F5 LTM 6400, 6800 devices for various medical/biomed applications and their availability
* Created VIP (Virtual IP’s), pools, nodes for virtual servers and ensured connectivity to the application’s FQDN
* Responsible for Firewall Administration, Rule Analysis, Rule Modification on ASA 5585, SRX240 devices
* Documented new VPN enrolments in a database and created standard procedures for further improvement
* Troubleshot traffic passing managed firewalls via logs and packet captures
* Negotiated VPN tunnels using IPsec encryption standards, configured and implemented site-to-site VPN, Remote VPN with several BCBS vendors
* Upgraded of IOS, IOS-XR, NX-OS, and Junos on devices as a part of network standardization project
* Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms
* Generated RCA (Root Cause Analysis) for critical issues of layer1/layer2/layer3 problems
* Co-ordinated with the Data Network and Security team and came up with possible solutions
* Performed configuration on ASR 9K pairs includes HSRP, Bundle Ethernet Config, and assigned DHCP profiles
* Worked on physical site inventory verification, gathered information of various Cisco Network devices and Security Devices to develop Run book and Spec Book
* Created MOPS to get approval from peers to perform configuration add/remove changes following change management process

**Wells Fargo, Charlotte, NC Sep2014-Oct 2016**

**Position: Sr. Network Engineer**

**Responsibilities:**

* Configured static, IGRP, EIGRP, and OSPF Routing Protocols on Cisco 1600, 2600, 2800, 3600, 7300 series Routers.
* Configured Site to Site IPsec VPN tunnels to peer with different clients and each of client having different specifications of Phase 1 and Phase 2 policies using Cisco ASA 5500 series firewalls.
* Migrated access policies from Cisco ASA to Palo alto firewalls.
* Configured Easy VPN server and SSL VPN to facilitate various employees’ access internal servers and resources with access restrictions
* Responsible for entire company network infrastructure that includes Cisco Switches, Routers, Firewalls, Access Points, Servers and PBX
* Configured VLAN’s, Private VLAN’s
* Designed and configured OSPF, BGP on Juniper Routers and Palo alto Firewalls
* Implementation of Site-to-Site VPNs over the internet using 3DES, AES/AES-256 with ASA Firewalls
* Configured various LAN switches such as CISCO CAT 2900, 3550, 4500, 6509 switches and Access layer switches such as Cisco 4510, 4948, 4507 switches for VLAN, Fast Ether Channel configuration
* Designed and implemented Firewalls, F5Viprion deployments to Front end and DMZ customers
* Configured inside ACL, outside ACL, inside, outside interfaces.
* Configured NAT and PAT policies.
* Configuration and troubleshooting of EIGRP, OSPF, BGP.
* Configuration and troubleshooting of CSM, integration with ASA devices.
* Migrated VLANS & Configured VLANs with 802.1q tagging, Ether channels, Spanning tree for creating Access/distribution and core layer switching.
* Installed and configured DNS, DHCP. Responsible for creating and configuring FORWARD LOOKUP ZONE AND REVERSE LOOKUP ZONE
* Redistributed required routes from OSPF in to BGP where OSPF cloud is present in US and is connected to all our customers over Sprint’s Frame Relay backbone
* Managed Plan of Record with PLMs/SE/Sales/Marketing and followed up and monitor product lines of Juniper routing/switching/security portfolio (MX, PTX, EX, SRX)
* Proficient with F5 LTM and Cisco CSM load balancer in-between the servers inside the server farm and DMZ
* Implementation of Access Lists for allowing/blocking desired traffic
* Configured EBGP load balancing and ensured stability of BGP peering interfaces
* Implemented site to site VPN with Palo Alto Firewalls as per customer Worked on Route-Reflectors to troubleshoot BGP issues related to customer route prefixes also route filtering using Route-maps
* Designed and implemented DMZ for Web servers, Mail servers & FTP Servers using Cisco ASA5500 Firewalls
* Deployed BIG IP Enterprise manager to cluster all the F5 LTM, GTM, ASA, Netscreen devices for easier management and common configurations
* Involved in migration of F5 Local traffic managers of LTM 5100 series to LTM 6800 series for higher
* Extensively used NSM (Network and Security Manager) and CSM (Cisco Security Manager) for adding or modifying firewall policies for the firewalls in use
* Worked on Cisco ASA 5500(5510/5540) Series, experience with convert PIX rules over to the Cisco ASA solution
* Worked on migration of existing PIX firewall to ASA firewall, PIX OS upgrade from 6.3 to 7.0
* Implemented F5 hardware refresh of older 3600 hardware to Viprion
* Designed and Implemented DMZ for FTP, Web and Mail Servers with CISCO PIX 506, PIX515
* Worked extensively on Cisco ASA 5500(5510/5540) Series, experience with convert PIX rules over to the Cisco ASA solution
* Worked on building the VPN tunnel and VPN encryption
* Mapped network diagrams and physical identification in MS Visio
* Preformed IOS upgrades on cisco routers and switches
* Worked with engineering team to resolve tickets and troubleshoot L3/L2 problems efficiently

**The Hartford Financial Services Group, CT Dec 2013-Aug 2014**

**Position: Network Engineer**

**Responsibilities:**

* Maintained and tracked the status of device supplied to the client
* Coordinated with **JTAC** for faulty part replacement and configuring standby device to support customer with minimal downtime.
* Implemented **Juniper firewall &switches**
* Installed & maintained of **Juniper switches routers &firewalls**
* Implemented and maintained**WAN/LAN** and **WLAN** networks in different diagrams
* Implemented various **EX, SRX & J series Juniper devices**
* Installed high availability Big IP F5 LTM and GTM load balancers to provide uninterrupted service to customers
* Involved in troubleshooting **L3VPN** issues and updating **Junos images**, UTM Anti-virus and IDP
* Monitored performance of network appliances and WAN utilizing using network analyzer like Wireshark
* Installed controller and light weight access point coordination with JTAC
* Maintenance and trouble-shooting of **LAN, WAN, IP Routing, Multi-Layer Switching**
* Performed onsite data center support including monitoring electrical power, switch alarms, network alerts and access logs
* Installation and trouble-shooting of static and dynamicrouting protocols
* Implemented site to site **VPN in Juniper SRX** as per customer
* Developing access lists to meet user specifications
* Supporting core layer, distribution layer and access layer issues
* Tracking and installation of requirements & development by working with client and related teams to implement changes
* Optimizing and monitoring the performance of a **WLAN, LAN, WAN** and user's segments
* Preparing weekly reports and follow- up with clients
* Updated data related to network configuration, setup and implementation of **Juniper Topology**
* Coordinated with Project Managers, sales and call center (customer service) to deliver best quality of service to the customer
* Configured**RIP, OSPF and Static routing** on **Juniper M and MX series Routers**
* Configured VLAN, Spanning tree, **VSTP, SNMP on EX series switches**
* Maintain connectivity for approximately 300 switches and routers in a 500+ node network.
* Troubleshooting network problems involving **LAN, WAN, BGP, EIGRP, MPLS/VPN**, **VRF – VPN** Routing and Forwarding Instance, SIP Trunking, Internet ISP, Multi homed - BGP with Level-3 Datacenters
* WLAN integration of all hotspot access points with wired central LAN infrastructure by using bridged backhaul point to point, point to multi-point and mesh type wireless network topology
* Deployed fabric Path using Nexus 7000 Devices
* Configured OTV between the data centers as a layer 2 extension
* Configured FCOE using **Cisco Nexus 5548**
* Implemented cluster and configuration of **SRX-100 Juniper firewall**
* Implemented cluster and configuration of **SRX-110 Juniper firewall**
* Installed Trapeze-**MX 2800 wireless** controller and light weight access points
* Working with **MPLS** Designs from the PE to CE
* Designed and deployed MPLS Traffic Engineering
* Involved in design and implementation of Data Center Migration, worked on implementation strategies for the expansion of the **MPLS VPN** networks
* Design and deployment of **MPLS QOS, MPLS** Multicasting per company standards.
* Managing health check of Network devices this is involves upgrading IOS on every quarter after checking the vulnerability of IOS and reviewing the configuration
* Implemented Virtual chassis of **EXseries Juniper switches** as per client requirement.

**Polaris, India Jan 2011-Nov 2013**

**Position: Network Support Engineer**

**Responsibilities:**

* Configuration and troubleshooting of Cisco, Juniper network devices in the environment.
* Configured Routers with EIGRP, OSPF, BGP, Static and default route.
* Worked on HSRP for hop redundancy and load balancing.
* Involved in troubleshooting wan including Slowness and branch down issues in co-ordination with the ISP.
* Supported EIGRP, OSPF and BGP based network by resolving level 1 & 2 problems of internal teams & external customers of all locations
* Configuring and troubleshooting BGP, OSPF in Cisco 2800 and 1800 routers in the branch sites.
* Configuring Cisco ASA with access-lists and NAT.
* Responsible for setting up IPSEC VPN tunnels on Cisco 5540 Firewalls towards the multiple sites.
* Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms.
* Responsible for planning and installation of new Branch networks including Resolution of network issues.
* Responsible for implementations using runbooks and prepared network documentation.
* Performed switching technology administration including VLANs, inter-VLAN routing, Trucking, STP, RSTP, port aggregation & link negotiation.
* Configuration of Access List ACL (STD, Ext, Named) to allow users all over the company to access different applications and blocking others.
* Worked on Layer 2 protocols such as STP, VTP, STP, RSTP, PVSTP+, MST and other VLAN troubleshooting issues and configuring switches from scratch and deployment.
* Support customer with the configuration and maintenance of Cisco ASA firewalls.
* Worked on Firewall Administration, Rule Analysis and Rule Modification
* Ensured problems are satisfactorily resolved in a timely manner with focus on providing a high level of support for all customers.
* Coordinated with service providers for WAN link outages.
* Responsible for creation of documentation including BOM, Visio drawings and network documents for a given project.

**Polaris, India Nov 2009-Dec 2010**

**Position: Network Associate**

**Responsibilities:**

* Worked on troubleshooting customer related issues related to router Configuration, Layer 1/Layer 2 issues.
* Configured Virtual-link between discontinuous backbone areas in the network also established authentication between all OSPF routers using MD5 authentication.
* Worked on WAN Troubleshooting for circuits like T1, T3 etc.
* Monitored network performance accompanying company service level agreements (SLA’s) using Network management tools such as Cisco works and also provided necessary recommendations to improve network performance
* Involved in configuration and management of different Layer 2 switching tasks which includes address learning, efficient switching etc.
* Involved in HSRP standby troubleshooting and load balancing protocol GLBP, Port channel management of the network
* Provisioning and troubleshooting Ethernet services, Gigabit networks and Connectivity issues with WAN types (T1, E1, DS3) for WAN issues.
* Dealt with the escalation problems from Level1, Level 2 & Level 3 for routing, switching and WAN connectivity issues using ticketing system Remedy.
* Designed VLAN’s, access lists (ACL), troubleshooting IP addressing issues and Updating IOS images and other hardware installations
* Experience in troubleshooting VLAN, STP (Spanning tree protocol), & Switch Trunk and IP subnet issues
* Dealt with NAT configuration and its troubleshooting issues related access lists and DNS/DHCP issues within the LAN network.
* Involved in Configuration of Access lists (ACL) on checkpoint firewall for the proper network routing for the B2B network connectivity.
* Configured routing protocols like OSPF, BGP, and standby protocols like HSRP and VRRP application in the routers.

**Academics:-**

* Bachelors in Information Technology, Anna University, India.

**References:-**

* Available Upon Request
* Willing to relocate