Network Consultant/ Administrator Network Consultant/Administrator Network Consultant/ Administrator Farmington Hills, MI   Over 7+ years of experience as a Data Network & Security Engineer with expertise in design, development, implementation, troubleshooting and maintenance of Network & security environments with mixed vendors Routers, Switches Firewalls, Proxy, VPN's, IPsec, NAT, Load Balancer's, and Nexus Switches.   Expertise in design, configuring, supporting and administrating Data Centers, Cisco routers, switches, Nexus switches, Load balancers (F5) and firewalls.   Strong hands on experiences Cisco Routers 4300, 4400, 4500, 2900, 3800, Switches 3850, 4500, 9300, 9400, 9500, 6500, 6800 series.   Hands on experience in installing, configuring and administration of Firewalls including Cisco PIX, Cisco ASA, Checkpoint, Palo Alto and Load Balancers like Big-IP F5 (LTM and GTM).   Experience in L2/L3 3 protocols like VLANS, STP, VTP and Trunking protocols.   Worked in OSI model, TCP/IP, UDP, IP addressing and Sub netting. Hands on knowledge on OSI Layer L1(Physical), L2(Datalink), L3(Network), L4(Transport), L5(Session), L6(Presentation) and L7(Application)Layers.   Expertise in installing, configuring and troubleshooting Juniper Routers (MX-480, MX960) and Juniper EX Switches (EX2200, EX2500, EX3200, EX4200, EX4500, EX8200) series.   Experience with design and implementation of Virtual Switching System (VSS) for both User segment and server segment using 6509 catalyst switches. Proficient in Cisco IOS installation, upgradation and Configuring, Troubleshooting routing protocols like RIP, EIGRP, OSPF, BGP (E-BGP, I-BGP).   Good knowledge and experience in Installation, Configuration and Administration of Windows Servers 2000/2003, Active Directory, FTP, DNS, DHCP, TFTP, Linux OS under various LAN and WAN environments.   Alcatel 7750 Migration Implementation, IOS upgrade with ALU from CLI using LAG and others.   Strong hands on experience and knowledge on Software Defined WAN (SDWAN) and its architecture including the vendors Silver Peak and Cisco Viptela.   Integrating Symantec DCS with NSX, providing server hardening.   Hands on experience on Scripting in Python/Perl/Shell.   worked on with Python, PowerShell related problems.   Implementing, Troubleshooting of MPLS LDP, MPLS VPN's.   Good knowledge in configuration of Voice VLAN's (VOIP), prioritizing the voice traffic over the data traffic.   Hands-on experience with SD WAN (MPLS/Frame Relay), routers, switches, TCP/IP, routing

Protocols (BGP/OSPF), and IP addressing. In depth knowledge and experience working with other protocols like TCP/IP, OSI model, DHCP, DNS, SMTP, IMAP, FTP, WAN, LAN, NAT, PAT, ACL, VLANs, Trunking using 802.1Q, IPv4, IPv6, LDAP, HTTP, HTTPS, UDP, VOIP, QOS. Expertise with IP subnetting, VLSM, CIDR. Proficient in implementing and troubleshooting LAN/WAN technologies. Worked on the migration to new Checkpoint R7x firewalls from Cisco ASA firewalls. Experience configuring SDH and SONET in the WAN environment Strong hands on experience withlayer - 2 and layer - 3 configurations, troubleshooting and dealt with Nexus models like 7k, 5k and 2k series in data centers. Configuration and Maintenance of ASA 5580, 5540, 5520, 5510, PIX 535, FWSM Firewalls. Vast experience working with configuring and maintaining security firewalls like ASA, Checkpoint, Palo Alto, Blue coat and expertise in VPN's, SSL etc. Worked in data centers and proficient with configuring and supporting Nexus switches, Fabric Extenders (FEX), VPC and OTV. Excellent knowledge and experience on multi-vendor platforms like Cisco, Juniper, Checkpoint, F5 Big-ip LTM load balancers, Bluecoat, Riverbed, Citrix, and VMware. Experience in Implementing, Maintaining, and Troubleshooting L2 Switching tasks: VLANs, VTP, VLAN Trunking (ISL/802.1Q), STP, RSTP, PVST, PVST+, CST, CEF and DCEF. Experience in T1/E1/T3 technologies and different LAN & WAN technologies. Managed F5 BigIP GTM/LTM load balancer appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs. Planned and worked on design with Network team to Re-architect F5 load-balancers to load-balance traffic anywhere in the company network. A good knowledge on operational aspects load balancing & WAF devices. Actively participated in upgrading Fast Ethernet, Layer 3 switched/routed LAN Infrastructure from Cisco 3640 to Cisco 2811 ISR Routers and Switches at access level to 2950, 3550. Well understanding of Cisco UCS and M-Series Modular servers to enable centralized management of highly scalable system and to Speed-up IT operations. Worked extensively in Configuring, Monitoring and Troubleshooting Checkpoint security appliance, Failover DMZ zoning & configuring VLANs/routing/NATing with the firewalls per design. Hands on Experience on security devices and firewall infrastructure under enterprise level network. Extensive hands on Experience with Complex routed LAN networks, CISCO Routers and Switches.

In-depth expertise in the Analysis, Implementation, Troubleshooting & Documentation of LAN/WAN architecture and good experience on IP services. Experience with Network Automation using Python. Basic Experience with configuring and Managing on Snort and Suricata detection systems. Experience through Hands-on Experience with Configuring T1.5, Gigabit Ethernet, Channelized T3 and full T3, OCX, ATM, Frame-Relay. Experienced working on network monitoring and analysis tools like, SOLAR WINDS, CISCO works and RIVERBED and Wireshark. Configured SolarWinds Orion NPM and used it to monitor traffic on a network. Extensive experience in Configuring and troubleshooting of protocols RIP v1/v2, EIGRP, OSPF, BGP and MPLS. Well experienced in Configuring HSRP, GLBP, ICMP, PPP, PAP, CHAP and SNMP. Experience in Installing and Configuring DNS, DHCP server. Experience with Infoblox DNS, DHCP, IPAM and reporting server. Extensive experience in configuring and troubleshooting of protocols RIP v1/v2, EIGRP, OSPF, BGP and MPLS. Well experienced in configuring HSRP, GLBP, ICMP, PPP, PAP, CHAP and SNMP. Excellent communication skills, enthusiastic, motivated and a team player. Experience in installing and configuring DNS, DHCP server. Experience with Change management process and Project documentation tools like Excel and VISIO. Work Experience Network Consultant/ Administrator Banner Corporate Center - Mesa, AZ February 2017 to December 2018 Responsibilities: Configured Routing protocols such as RIP, OSPF, EIGRP, static routing and policy-based routing. Team member of Configuration of Cisco 7206 router with VPN and Configuration of Catalyst switches. Configuration 7609, 7606 with OSPF and catalyst 6505, 4500, 3550 switches with various VLAN. Create and test Cisco router and switching operations using OSPF routing protocol, ASA Firewalls, and MPLS switching for stable VPNs. Configuration and troubleshooting link state protocols like OSPF in single area and multiple areas. Redesign of Internet connectivity infrastructure for meeting bandwidth requirements. Configured HSRP and VLAN trucking 802.1Q, VLAN Routing on Catalyst 6500 switches. Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs. Extensive design, installation, provisioning, and implementation of DWDM, SONET and Ethernet networks utilizing Ciena Networks, Fujitsu Flashwave, Cisco 14545

and Alcatel- Lucent 1850 & 7750 equipment.   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.   Configuration and troubleshooting of Cisco 2500, 2600, 3000, 6500, 7500, 7200 Series routers.   Providing Technical Support and solutions for Network Problems.   Implementing NAT solution's on wan applications.   Planned, tested and evaluated various equipment's, systems, IOSs and procedures for use within the Network / security infrastructure.   Upgrading IOS, troubleshooting network outages.   worked on with Python, PowerShell related problems.   Develop Python modules for internal use.   Participate in all technical aspects of LAN, WAN, VPN and security Internet Service projects including, short- and long-term planning, implementation, project management and operations support as required.   Installation and provisioning Alcatel- Lucent 7750 SR7 & SR12, 7210, and 7705s for CTBH network implementation   Worked on Cisco Routers, Active /Passive Hubs, Switches, Cisco PIX Firewall, NOKIA Firewalls, Nortel VPN Concentrators TCP/IP, NAT and Checkpoint ESX/GSX firewall.   Having Data Center Design Experience, installing and Configuring Network Devices in a Data Center including patching the cables in the Patch Panel. Design and implemented network infrastructure and configured the entire network Infrastructure devices including Network Printers and Register.   Hands-on experience in the network management of circuits using TDM and Frame Relay network, performing configuration and provisioning management, fault management and performance monitoring. Environment: Cisco ASA5580/5540/5520, CheckpointR70, R75, R77.20 Gaia, Palo AltoPA-5000/3000, Juniper SSG, SRX, Big IP F5 LTM/GTM, Nexus switches, Routers, TCP/IP, VPN, Bluecoat Proxy servers, IDS/IPS. SIEM and monitoring, BMC Remedy, Cisco Prime, ForeScout CounterACT, Tufin. Network Consultant/ Administrator HANNAFORD - South Portland, ME January 2016 to January 2017 Responsibilities: Hand on experience the configuration and implementation of various Cisco Routers and L2 Switches.   Configuring Alcatel lucent Omni switches such as 6600,6850,6855 which involves assigning IP address, providing static routes, authentication, creating VLAN'S, providing interVLAN routing, trunk ports 802.1q tagging, assigning Spanning tree to VLAN'S, udld to

ports and configuring SNMP   Extensive experience in configuring and implementing EIGRP, OSPF and BGP.   Supported core network consisting of Cisco 7200 series routers running multi area OSPF   Configuration of EIGRP and OSPF as interior gateway protocol with route filtering and route redistribution.   Implemented stub/Totally stub areas and various OSPF features like route-summarization and SPF throttling.   Responsible for service request tickets generated by the helpdesk such as troubleshooting, maintenance, upgrades, patches and fixes with all around technical support   Supporting EIGRP and BGP for problems of L2/L3 in internal teams & external customers.   Providing daily network support for national wide area network consisting of MPLS, VPN and point-to point site.   Upgrading Used DHCP to automatically assign reusable IP addresses to DHCP clients.   Configured and installed multi-protocol (IP, IPX) multi-interface Cisco routers. Design, WAN link using PPP Multilink and by implementing Cisco WAAS   Negotiate VPN tunnels using IPSec encryption standards and configured and implemented site-to-site VPN, Remote VPN. Configuring STP for switching loop prevention and VLANs for data and voice along with Configuring port security for users connecting to the switches.   Worked on commissioning and decommissioning of the MPLS circuits for various field offices.   Network Cabling, dressing, labeling and troubleshooting various network drops onsite.   Environment: Cisco 2990/3550/6550 switches, Cisco 7200/3845/3600/2800 routers, EIGRP, RIP, OSPF, BGP, VPN, Ether Channels, and Sniffer, Data center, Palo Alto Firewalls, Big IP F5 LTM/GTM, TCP/IP, FortiGate Network Engineer Isoftech Inc - Mumbai, Maharashtra January 2014 to July 2015 Responsibilities: Assisted in troubleshooting LAN connectivity and hardware issues in the network.   Studied and analyzed client requirements to provide solutions for network design, configuration, administration, and security. Worked for companies such as AT&T, SBC, Sprint, Lucent, Online Networks, Alcatel, Time Warner, and Act.   Involved in troubleshooting IP addressing issues and Updating IOS images using TFTP. Monitor performance of network and servers to identify potential problems and bottleneck. Performed RIP & OSPF routing protocol administration.   Interacted with support services to reduce the downtime on leased lines.   Troubleshoot problems on a day to day basis; provide solutions to fix the problems.   Monitor the operability and reliability of the network.   Maintenance and

Troubleshooting of connectivity problems using Ping, Trace route. Managed the IP address space using subnets and variable length subnet masks (VLSM). Worked along with the team in ticketing issues; responsibilities included documentation and support other teams. Environment: Cisco 2990/3550/6550 switches, Cisco 7200/3845/3600/2800 routers, EIGRP, RIP, OSPF, BGP, VPN, Ether Channels, and Sniffer, Data center Network Engineer MECHCROWN Enterprises Pvt. Ltd March 2011 to December 2013 Responsibilities: Configured Cisco Routers for OSPF, IGRP, RIPv2, EIGRP, Static and default route. Worked on HSRP for hop redundancy and load balancing. Configured the Cisco router as IP Firewall and for NATing Configured RSTP, MST and used VTP with 802.1q trunk encapsulation. Alcatel 7750 Migration Implementation, IOS upgrade with ALU from CLI using LAG and others. Provided port binding, port security and router redundancy through HSRP. Designed ACLs, VLANs, troubleshooting IP addressing issues and taking back up of the configurations on switches and routers. Provided testing for network connectivity before and after install/upgrade Switching related tasks included implementing VLANS and configuring ISL trunk on Fast-Ethernet and Gigabit Ethernet channel between switches. Experience in Cisco switches and routers: Physical cabling, IP addressing, Wide Area Network configurations. Performed troubleshooting, while maintaining trouble ticket tracking, following internal/external. Environment: Cisco Routers 2900, 2600, 3600; Cisco Switches 1900, 2900, 3500, 3700 and 450 Series; LAN/WAN: Frame relay, NAT, DHCP, TCP/IP Skills Active directory, Bgp, Catalyst, Cisco, Dhcp, Eigrp, Juniper, Mpls, Ospf, Router, Sonet, Tcp, Tcp/ip, Vlan, Vpn, Dns, Exchange, Firewalls, Ethernet, Frame relay Additional Information TECHNICAL SKILLS Routing Technology RIP, RIPV2, IGRP, EIGRP, OSPF, BGP, TCP/IP, Static and Dynamic Routing. Network Products CISCO Routers 1700, 1800, 2500, 2600, 2800. CISCO High End Routers 3600, 3800, 7200, 12010, 12404. CISCO Switches 1900, 2950, 2950, 2960G. CISCO Campus Switches 3550XL, 4948 Core Catalyst 4503, 4507 RE, Catalyst 6500/6503/6507, Nexus 5000 series Antivirus & Endpoint protection Cisco CSA, Symantec Enterprise Edition, MacAfee Enterprise Edition. Security & VPN PIX 500 Firewall, ASA 5505 Firewall, AIP SSM, CSC SSM, FWSM, Fortigate, Cisco CSM, ACL-Access Control List, IPS/IDS, NAT, PAT, Cisco ACS, Juniper NetScreen firewall, PaloAlto Firewalls,

Windows Patch Management (WSUS), Nokia firewalls.   LAN Technology Workgroup, Domain, HSRP, DNS, DHCP, Static, VLAN, STP, VTP, Ether Channel, Trunks. WAN Infrastructure Leased Line, ISDN/Dial-Up, Frame Relay circuits, Metro Ethernet. WAN Technologies HDLC, PPP, ATM, SONET, MPLS, VPN, IPSec-VPN. Wireless & Wi-Fi Canopy Wireless Device (point to point/point to multipoint), DLink Wireless (point to point), DLink Access Point, CISCO 1200 series Access Point, and Linksys Wireless/Wi-Fi Router.   Operating Systems & Tools Cisco IOS, Open IDM, Windows NT 4.0 (Desktop/Server), Windows 2000/2003/2008 Server, Outlook 365 administration Windows XP/Windows 7/8, LINUX, Solaris, Active Directory, Apache Server, MS Exchange server, Tufin, AlgoSec, Skybox, Identity Access Management, GRC, veritas Volume Manager, Amazon EC2, Rack space, Microsoft Azure, python, Ruby, Shell, Perl(Scripting Languages).

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