# Name: Krishna



**Network Security Engineer**

**Summary**

* Dynamic and seasoned Network Engineer with over Twelve years of comprehensive experience in network design, implementation, and security. Proven track record of engineering robust network solutions, managing complex infrastructures, and delivering innovative solutions to meet and exceed the demands of large enterprise networks. I seek to contribute my expertise to engineer advanced network security solutions and provide exceptional operational support.
* Possess basic Linux admin experience, including user management and package installation, familiarity with Linux command-line interfaces and scripting, and applied Linux skills to support 128T and network infrastructure.
* Good experience in layer-3 routing and layer-2 switching, as well as Nexus models like 9K,7K,5K, and 2K series.
* Extensive experience in DNS/IPAM, ensuring efficient domain name resolution and IP address management across large-scale networks.
* Proficient in configuring, monitoring, and troubleshooting Firewalls, including FortiGate and Palo Alto Networks, focusing on security and network integrity.
* Engineered, deployed, and managed network security solutions, including firewalls and load balancers, across a large- scale network infrastructure exceeding 5000 nodes.
* Provided strategic and tactical input on network planning, design, and optimization projects, leveraging a deep understanding of advanced technical principles.
* Design expertise for SD-WAN(Versa), SD-LAN, and WAN optimization technologies to efficiently deliver application data across LAN and WAN.
* Developed basic Python scripts for automating network tasks and supporting 128T, utilized Python for network automation and optimization, and improved network efficiency through scripting.
* Collaborated with highly technical resources to troubleshoot complex problems and deliver innovative network solutions.
* Supported day-to-day network engineering operations, ensuring high availability and failover configurations within customer lab environments.
* Actively maintained a Cisco Certified Internetwork Expert (CCIE) certification, reflecting advanced network engineering skills. Extensive knowledge and troubleshooting experience in different networking protocols, including DHCP, DNS, FTP, TFTP, SNMP, Quality of Service (QOS), PAP, CHAP, HTTPS, SSH, Telnet, and ICMP.
* Implemented IPv4 migration to IPv6 (NAT-PT, Tunnelling, etc.)
* Expert in performing deep packet analysis to troubleshoot network and application issues using Wireshark.
* Experience with the design and implementation of Data center migration and ACI.
* Proficient experience managing security policies with CSM, integrated with ASA 5500 devices.
* Experience with Zscaler Cloud Proxy Architecture with ZIA, traffic forwarding using GRE tunnels to Zcloud, Azure AD Authentication, Access policies, ZAPP
* Have hands-on experience with CISCO unified wireless testing network CISCO WCS and on CISCO PRIME
* Configured and managed ACL/FW rules for network security, implemented security measures to protect network infrastructure, and ensured compliance with industry security standards.
* Proficient in network monitoring and IP Address Management (IPAM) tools such as SolarWinds, Gigamon, and NetFlow.
* Experience configuring forwarding and app profiles for ZPA and Zia in ZAPP.
* Expertise in configuring switching protocols such as ARP, VTP, PPP, VLAN, STP, RSTP, PVST+, HSRP, GLBP, VRRP, and Routing Protocols such as RIP, OSPF, BGP, EIGRP, IS - IS, MPLS and SD-WAN.
* Proficient in the architecture, design, and deployment of these Symantec BlueCoat Product solutions- Advance Secure Gateway (ASG/SG) Proxies, Management Center, Reporter, and Web Security Services.
* Strong cloud networking and design experience with major Hyperscale, including AWS, Azure, and Google Cloud.
* Knowledgeable in internetworking concepts across security, routing, switching, SAN, and application networking.
* Experience with network deployment and operations automation using Ansible and Zero Touch Provisioning.
* Proficient in virtualization solutions, mainly VMWare, to enhance network services and capabilities.
* Expertise in Linux command-line environment and administration, with a solid understanding of Microsoft Server.
* Self-motivated and adaptable individual with strong attention to detail, capable of managing multiple priorities in a dynamic environment.

**Technical Skills:**

|  |  |
| --- | --- |
| **Routers** | Cisco 7600, 7200, 3800, 3600, 2900, 2800, 2600, ASR 1K, ASR9K, Juniper MX  480, MX 960. |
| **Routing Protocols** | OSPF, EIGRP, BGP, RIP v1/v2, MPLS PBR, Route Filtering, Redistribution, Summarization, and Static Routing |
| **Switches** | Nexus 2K/5K/7K/9K, Cisco Catalyst 6500, 4500, 3850,3560, 3750, 2960, Juniper Junos |
| **Switching Protocols** | LAN, VTP, STP, PVST+, RPVST+, Inter VLAN routing & Multi-Layer Switch, Ether channels, Transparent Bridging |
| **Multicast Protocols** | IGMP, IGMP versions 2 and 3, CGMP, PIM-Sparse, and Dense Mode.  DHCP, FTP, TFTP |
| **LAN technologies** | Ethernet, Fast & Gigabit Ethernet, VLANS, VTP, STP, RSTP, 802.1W, Cisco Prime |
| **WAN technologies** | Leased lines 128k - 155Mb (PPP / HDLC), Channelized links (T1/DS3/OC3/OC12), Fiber Optic Circuits, Frame Relay, ISDN and ATM, IWAN, SD-WAN |
| **Load Balancer** | F5 Networks (Big-IP) LTM 8900 and 6400, Citrix NetScaler |
| **Network security** | Cisco ASA 5585,5550,5540, ACL, IPSEC, F5 Load Balancer, Checkpoint, Palo Alto, IPSec VPN, GRE VPN, FortiGate 3000, 5000, 3815, 900, 800, 600 series,  Imperva, Bluecoat |
| **Network Management** | SolarWinds, Proteus, Xilinx 9.21, HP Open-view, Wireshark, Spirent, SNMP, CA spectrum, Infoblox, Service now. |
| **Operating systems** | Windows XP/ 7/ 8, Windows Server 2003/ 2008, Mac OS X and Linux |
| **Various Features & Services** | IOS and Features, IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, TFTP, FTP |

|  |  |
| --- | --- |
| **Applications** | MS (Office, Word, Outlook, Excel, PowerPoint, Visio), VMware, Adobe Photoshop and Illustrator |
| **Wi-Fi testing software tools and Protocols** | Cisco prime, Cisco WCS, TrueView, WLC GUI, 802.11a, b, g, n, 802.11AC wave2 |

**EDUCATION:**

**Bachelor of Technology in ECE** | JNTU Kakinada **2012**

**Masters in Electrical Engineering** | University of Bridgeport **2014**

**Licenses & Certifications**

* Cisco Certified Network Associate (CCNA)
* Palo Alto Certified Network Security Engineer (PCNSE)
* Cisco Certified Specialist Enterprise Core (CCNP)
* Symantec Certified Specialist
* Certified Fortinet FortiGate 7.2 Administrator

**Professional Experience:**

**Cisco, Remote**

**Senior Network Engineer**

**March 2024- Present**

* Coordinated deployment of WANs, ensuring secure connectivity to internal and external network services for state institutions.
* Configured and supported VLANs and Layer 3 routing, maintaining compliance with agency security and operational requirements.
* Managed Cisco routers and switches, providing Tier 2 support for WAN and LAN issues, troubleshooting, and performing preventative maintenance.
* Led the implementation of new service components, ensuring seamless integration into the operational environment and managing change and configuration processes.
* Monitored and maintained IT assets, supporting agency requirements with up-to-date network infrastructure documentation.
* Configured and supported **VLANs and Layer 3 routing**, maintaining compliance with agency security and operational requirements.
* Managed **Cisco routers and switches**, providing Tier 2 support for WAN and LAN issues, troubleshooting, and performing preventative maintenance.
* Led the **implementation of new service components**, ensuring seamless integration into the operational environment and managing change and configuration processes.
* Designed and implemented complex network solutions meeting business requirements, utilizing expertise in switching technologies (PVST+/RPVST+/MST), routing protocols (RIP, EIGRP, OSPF, IS-IS, BGP), and VPN technologies (MPLS, DMVPN, GET VPN, EVPN).
* Monitored and maintained IT assets, supporting agency requirements with up-to-date network infrastructure documentation.
* Managed VLAN and IP routing configurations across Cisco Catalyst and Nexus switches, ensuring efficient data traffic and optimized network performance.
* Provided Tier 2 technical support for wide area network systems, including MPLS, QoS, and L2 switching, while implementing controlled processes for change, configuration, and release management.
* Collaborated with cross-functional teams to deploy network infrastructure upgrades, including switch provisioning, test, and turn-up for new hardware, ensuring phones, access points, and data networks functioned without issues.
* Maintained accurate network configuration records and asset management documentation, ensuring service continuity and rapid resolution of network issues.
* Led a major LAN refresh project, upgrading state agency networks with Cisco Catalyst 6500 and Nexus 9K switches, reducing downtime and improving performance.
* Managed and maintained network infrastructure, including routers, switches, wireless controllers, firewalls, and load balancers from multiple vendors (Cisco, Palo Alto, F5), ensuring high availability and performance.
* Led design and architecture of SD-WAN solutions using Viptela technology, aligning with client requirements, scalability, and industry best practices
* Troubleshot complex Viptela SD-WAN issues, including: Identifying and resolving vSmart controller connectivity issues

, Debugging vEdge router configuration and policy misalignments and Optimizing WAN edge router performance and QoS settings

* Replacing Checkpoint VPN and Blue Coat proxy with Zscaler and working on implementing Zscaler in Production.
* Designed and implemented robust security logging systems, VLAN security, and IP telephony security measures.
* Spearheaded the IPv4 migration to IPv6, ensuring seamless transition and network compatibility.
* Configured and deployed Viptela SD-WAN solutions, ensuring seamless integration with existing networks, and troubleshot/resolved implementation issues, including: Resolving IPsec tunnel establishment failures and Optimizing WAN link utilization and traffic routing
* Successfully integrated wireless LAN (WLAN) solutions, enhancing network coverage and reliability for state facilities.

**State of North Carolina, Dept of Commerce Raleigh NC**

**Senior Network Engineer**

**Dec 21-March 24**

# Responsibilities:

* Implemented and maintained DNS/IPAM solutions to support robust network operations and address management.
* Configured and managed multiple firewall platforms, including Palo Alto Networks and FortiGate, Cisco ASA, and FTD, enhancing network security posture.
* Administered load balancing systems, including F5, to ensure high availability and optimal performance of network services.
* Managing the DMZ network and Proxy Servers (zscaler)
* Installed, designed, and configured complex computer networks, including hardware, systems software, applications software, and configurations, utilizing network equipment such as hubs, NICs, LAN cards, Ethernet switches, routers, and access points.
* Implemented SD-WAN solutions using Juniper 128T and CradlePoint modems, configured and optimized SD-WAN for improved performance, and ensured seamless integration with existing network infrastructure
* Ensured precise timekeeping across network devices by configuring and monitoring NTP servers and clients.
* Troubleshot complex network issues, providing expert-level support, and implemented security measures, including ACLs, IPsec, SSL, traffic inspection, DDoS mitigation, and infrastructure security features (storm control, DHCP snooping, IP source-guard).
* Possessed extensive expertise in Aruba switches, Juniper switches, Juniper 128T SD-WAN, MIST access points, Cradle Point modems, and Linux, with proficiency in ACL/FW rules and Python scripting.
* Deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager, Aruba AirWave, and cloud-based Aruba Central.
* Planned, coordinated, and implemented network security measures to protect data, software, and hardware, and troubleshot network issues, resolving problems promptly and optimizing network performance.
* High-level troubleshooting and analytical work to ensure network security and integrity, utilizing Cisco firewall platforms, IDS, IPS, and integrated third-party authentication services.
* Enhanced network performance through comprehensive knowledge and management of telecommunications, network software/hardware, and transport systems.
* Conducted thorough evaluations and recommendations for resolving complex operational problems within WAN/LAN systems.
* Completed a 2-year migration project from Confidential to Cisco VoIP to Operation Centers within Confidential Insurance.

**Environment:** Routing Protocols: EIGRP, BGP4, RIP, VPLS, MPLS, Network Design & Implementation: Cisco SDA solutions, IPv4 to IPv6 migration, Network Performance Optimization: Load balancing (F5), tapping/sniffing infrastructure, NTP configuration, SD-WAN: Troubleshooting and configuring Versa Flex VNF SD-WAN appliances, IPsec overlay connectivity, Voice over IP (VoIP): Designing and implementing Cisco VoIP systems Security: Firewall Configuration & Management: Palo Alto Networks, FortiGate, Cisco ASA, Cisco FTD, DNS/IPAM: Implementing and maintaining DNS/IPAM solutions, Network Access Control (NAC): Aruba ClearPass Policy Manager, Security Logging & Monitoring: Designing robust security logging systems, VLAN security, IP telephony security, Threat Mitigation: IDS, IPS, and third-party authentication services Proxy & Cloud Security: Replacing legacy systems with Zscaler, Network Management & Monitoring: Wireless: Deploying and managing Aruba wireless solutions (ClearPass, Air Wave, Aruba Central)Network Troubleshooting: Resolving complex operational problems in WAN/LAN systems

**State of Maryland MD, Department of Health**

**Jan2019 – Dec2021**

**Linthicum Heights MD**

**Network Security Engineer**

# Responsibilities

* Experience working with Cisco IOS-XR on the ASR9000 devices for MPLS deployments.
* Led projects in computer hardware, networking software, and operating system software for new installations and upgrades, coordinating with vendors to resolve technical issues and ensure timely project delivery.
* Involved in troubleshooting complex network infrastructure using routing protocols like EIGRP, OSPF & BGP.
* Installing and configuring Cisco Catalyst switches 6500, 3750 & 3550 series and configuring routing protocol OSPF, EIGRP, and BGP with Access Control lists implemented per Network Design.
* Incorporate Cisco Nexus 9000 NXOS into the ACI fabric to work in concert with existing Nexus 7000s and ASRs for Multi- Protocol Label Switching (MPLS).
* Provided technical support for network hardware, software, and communication peripherals, conducting onsite support for IT equipment at various locations, and maintained network uptime, ensuring seamless operations.
* Designed and installed network cabling systems, including fiber optic cabling, ensuring cable management and infrastructure met industry standards, and supported network applications, switches, and servers.
* Designed, implemented, and managed large-scale networks using Aruba and Juniper switches, configured and troubleshot Juniper and MIST access points, and demonstrated expertise in network architecture, design, and optimization.
* Designed and implemented Juniper 128T SD-WAN solutions, configuring and optimizing WAN edge routers, and ensuring seamless integration with existing network infrastructure.
* Led design and architecture of SD-WAN solutions using Viptela technology, aligning with client requirements.
* Troubleshoot and resolved SDA-related issues, including fabric formation, policy application, and network connectivity.
* Implemented cisco SDA for various use cases, including secure segmentation, IoT, and guest access
* Conducted training and knowledge transfer to junior engineers and customers on viptela SD wan design, implementation, and management.
* Replacing Checkpoint VPN and Blue Coat proxy with Zscaler and worked on implementing Zscaler in Production
* Deployed Aruba and Cisco Wireless controllers, loading an SSL Certificate (GUI), SSL Certificate (CLI), Configuring 802.11 Bands, 802.11n Parameters, DHCP Proxy, SNMP, Aggressive Load Balancing, Fast SSID Changing, 802.3 Bridging, Enabling Multicast mode, IP- MAc Address Binding,
* Worked with layer2 switching technology architecture. Implemented L2 and L3 switching functionality, including using VLANS, STP, VTP, and their functions related to network infrastructure requirements, including internal and external treatment, configuration, and security.
* Configured SITE-SITE VPN TUNNELS and DMVPNs
* Configured tunnels to AWS and worked on troubleshooting issues with it.
* Worked on troubleshooting SAN-related issues and firmware upgradations of SANs in VMware
* Responsible for setting up the infrastructure environment with most Cisco & Palo Alto appliances.
* Implemented Zone Based Firewalling and Security Rules on the Palo Alto Firewall
* Monitoring and troubleshooting traffic on the Palo Alto-5250 firewall.
* Zscaler cloud proxies ZIA and ZPA. Worked on setting up tunnels to Zscaler Zens zero trust network access.
* Deployed 7613 as PE and CE router and configured and troubleshooted the Edge Routers.
* Involved in complete LAN and SD-WAN development (including IP address planning, designing, installation, configuration, testing, maintenance, etc.). Involved in Switching Technology Administration, including creating and managing VLANs, Port security, Trunking, STP, Inter VLAN routing, LAN security, etc. Implemented with Cisco Layer 3 switches 3750, 4500, and 6500 in the multi-VLAN environment using inter-VLAN routing, HSRP, ISL trunk, and ether channel.
* Involved in planning network capacity to support 3000 VoIP (voice) endpoints.

**Environment**: Routing & Switching: Cisco IOS-XR: Experience with ASR9000 devices for MPLS deployments. Cisco Catalyst Switches: Installation, configuration, and management of 6500, 3750, and 3550 series. Cisco Nexus 9000 NXOS: Integration into ACI fabric for MPLS. Juniper MX & T Series Routers: Testing JUNOS images and configuring various protocols (OSPF, BGP, LDP, MPLS, Layer 3 VPNs, VPLS). Routing Protocols: Deep expertise in EIGRP, OSPF, and BGP, including troubleshooting in complex environments. Layer 2 Switching: Implementation of VLANs, STP, VTP, and related functionalities. Layer 3 Switching: Inter-VLAN routing, HSRP, ISL trunk, and ether channel configuration. Software-Defined Networking (SDN): Cisco SDA: Design, implementation, troubleshooting, and knowledge transfer for various use cases (segmentation, IoT, guest access). SD-WAN: Planning, designing, installing, configuring, testing, and maintaining LAN and SD-WAN environments. Security: Firewall: Implementation of zone-based firewalling and security rules on Palo Alto firewalls. VPN: Configuration of site-to-site VPN tunnels and DMVPNs. Cloud Security: Configuration of tunnels to AWS and troubleshooting related issues. Zscaler: Replacement of legacy systems (Checkpoint, Blue Coat) with Zscaler ZIA and ZPA; setting up Zscaler Zens tunnels. Wireless: Aruba & Cisco Wireless Controllers: Deployment and configuration, including SSL certificates, 802.11 bands, DHCP proxy, SNMP, load balancing, etc. Additional Skills: Network Design & Planning: IP address planning, designing network capacity for VoIP endpoints. Troubleshooting: Extensive experience troubleshooting complex network issues, SAN-related problems, and AWS connectivity. Collaboration: Working with cross-functional teams to ensure project success. Training & Mentoring: Knowledge transfer to junior engineers and customers. Key Strengths Demonstrated: Broad Technical Expertise: Experience with a diverse set of networking technologies and vendors (Cisco, Juniper, Palo Alto, Aruba). Deep Routing & Switching Knowledge: Strong understanding of both Layer 2 and Layer 3 switching, as well as various routing protocols. SDN & Security Proficiency: Up-to-date skills in emerging technologies like SD-WAN and Cisco SDA and solid security fundamentals. Troubleshooting Acumen: Ability to diagnose and resolve complex issues across various network components.

**BMO Harris Bank, Brookfield, WI**

**Sr. Network Engineer**

**Jun2018–Dec2018**

# Responsibilities:

* I configured and implemented composite Network models consisting of Cisco ASR 1K, 7600, 7200, and 3800 series routers and Cisco 2950, 3500, 5000, and 6500 Series switches.
* Experience with designing, deploying, and troubleshooting LAN, WAN, Ether-channel, IP Routing Protocols - (RIPV2, OSPF, EIGRP & BGP), ACLs, NAT, VLAN, STP, VTP
* Experience configuring BGP in the data center using BGP as a WAN protocol and manipulating BGP attributes.
* Designed and deployed Clear Pass Policy Manager—Aruba CPPM to allow NAC, which was proposed to bring a solution for Authenticating Mobile and Endpoint Users' Devices through the OnGuard feature.
* Replacing Checkpoint VPN and Blue Coat proxy with Zscaler and working on implementing Zscaler in Production.
* Analyze network traffic with Splunk, Gigamon, and HP ArcSight SIEM tools on network traffic and firewall (Source Fire defense center).
* Configuring and managing around 500+ Network and security Devices, including Juniper (Net Screen) Firewalls, F5 BigIP Load balancers, Citrix NetScaler and 3DNS, Blue Coat Proxies, and Plug Proxies.
* Involved in the redistribution into OSPF on the core ASA firewall.
* Involved in Switching Technology Administration, including creating and managing VLANS, Port security, Trunking, STP, Inter-VLAN routing, LAN security, etc. Deploying Layer 2 security in Server Farms by configuring a switch for 802.1x port-based authentication
* Design, implementation, and proficiency in configuring Fortinet firewalls Fortigate-620C,60B, 60D, Forti WI-FI 60D.
* Experienced in working on DevOps/Agile operations process and tools area (code review, unit test automation, Service, Incident and Change Management).
* Manage over large network devices, including over 20 Fortinet FortiGate firewalls from 200b to 3040b's, Cisco ASA and FWSM's, Nokia Checkpoints, Cisco 3560-6500 switches, Nexus 5k's and 7k's, 9K’s Cisco ASR 1000's, multiple Cisco UCS's and Fabric Interconnects, and SSL VPN's.
* Manage location-specific Cisco ASA firewalls and data center internet gateway firewalls.
* Configured SITE-SITE VPN TUNNELS and DMVPNs

**Environment**: Core Networking Skills: Cisco Routing and Switching: In-depth experience with Cisco ASR and Catalyst switch series, including configuration, implementation, and troubleshooting. Routing Protocols: Strong understanding and hands- on experience with RIPv2, OSPF, EIGRP, and BGP, both within LAN and WAN environments. Network Fundamentals:\* Expertise in VLANs, STP, VTP, EtherChannel, ACLs, NAT, and inter-VLAN routing. Security: Firewall Deployment & Management: Extensive experience with Fortinet FortiGate, Cisco ASA (including FWSM), and Juniper NetScreen firewalls. Network Access Control (NAC): Designed and implemented ClearPass Policy Manager for enhanced security and authentication. Cloud Security: Replaced legacy security solutions with Zscaler and worked on implementing Zscaler in production. Layer 2 Security: Implemented 802.1x port-based authentication for server farms. Network Monitoring & Analysis: Security Information and Event Management (SIEM): Used Splunk, Gigamon, and HP ArcSight to analyze network traffic and firewall logs for security and performance insights. Load Balancing & Application Delivery: F5 BigIP & Citrix NetScaler: Configured and managed load balancers to ensure high availability and optimal performance.

**Purdue Pharma – Durham, NC**

**Sr Network Engineer**

**June 2016 – May 2018**

# Responsibilities:

* Experience working with Cisco IOS-XR on the ASR9000 devices for MPLS deployments
* Involved in troubleshooting complex network infrastructure using routing protocols like EIGRP, OSPF & BGP.
* Installing Cisco Catalyst switches 6500, 3750 & 3550 series and configuring routing protocol OSPF, EIGRP, and BGP with Access Control lists implemented per Network Design.
* Management of SolarWinds Orion Suite - Network Performance Monitor, Network Configuration Manager.
* Experience dealing with Cisco Application Centric Infrastructure (ACI) by integrating hardware and software products according to network layout.
* Incorporate Cisco Nexus 9000 NXOS into the ACI fabric to work in concert with existing Nexus 7000s and ASRs for Multi- Protocol Label Switching (MPLS).
* Provide Cisco VoIP services using Cisco CUCME, utilizing both Cisco IP Phones and analog endpoints via FXS ports.
* Implemented Aruba WLAN Infrastructure over Canada Remote site, supporting License assessment and site survey.
* Deployed new WLAN infrastructure from the current Aruba Controllers 6000 series by IAP Clustering addition
* Testing JUNOS images on Juniper MX and T series router platforms, covering various protocols and technologies, such as OSPF, BGP, LDP, MPLS, Layer3 VPNs, and VPLS.
* Configuring the 3700 Access point and 5508 Wireless LAN Controller and Monitoring them by adding to the Cisco Prime Infrastructure.
* Troubleshooting Citrix NetScaler content switching configurations.
* Installed SolarWinds Network Performance Monitor, emphasizing traffic analysis, application, and virtualization management.
* Design, implementation, and proficiency in configuring Fortinet firewalls, Fortigate-620C,60B, 60D, and Forti WI-FI 60D.
* Have hands-on experience with CISCO unified wireless testing network CISCO WCS and on CISCO PRIME
* Have experience with wireless software’s TRUVIEW AND WLC GUI
* Experience in layer-3 Routing and layer-2 Switching. I dealt with Nexus models like the 7K, 5K, and 2K series.
* Upgrading and deployment of Nexus 7k, 5k and 2k
* Experience with Cisco ASRs, Catalyst 6500 series switches, 2800 series, and 3800 series. 2900 series and 3900 series routers.
* Coordinating with service providers like AT&T, Verizon, etc., for all network outages /restoration/new implementations.
* Experience in Administer Infoblox DNS/DHCP/IPAM environment.
* Configure and maintain DNS, DHCP, and domain controllers.

**Environment:** Cisco 6506/4948/4510 switches, Cisco 3660/3845/7609 Routers, Cisco ASA, Palo Alto, F5 Load Balancers, Infoblox, OSPF, BGP, MPLS, HSRP, Juniper MX 960, Nexus 2K, 5K, 7K, Python.

**State Farm Insurance Bloomington IL**

**Sr Network Engineer**

**September 2013- Aug 2016**

# Responsibilities:

* Experience configuring and implementing composite Network models, consisting of Cisco ASR 1K, 7600, 7200, and 3800 series routers and Cisco 2950, 3500, 5000, and 6500 Series switches.
* Designing and implementing LAN/WAN solutions across locations
* Experience in Data center consolidation, design, management, and supporting network activities.
* Configuring the LAN/WAN devices across locations for day-to-day operations.
* Networks using routing protocols such as RIP, OSPF, BGP, and EIGRP manipulated routing updates using route maps, distribute lists, and administrative distance.
* I have Good Experience configuring routing protocols and deploying OSPF, EIGRP, BGP, and policy routing over Cisco routers. I have also worked with survey technicians, guiding them through site surveys at Confidential locations and collecting data on all in-use voice/data equipment and Telco circuits.
* Design, implementation, and proficiency in configuring various Fortinet firewalls: Fortigate-620C,60B, 60D, Forti WI-FI 60D.
* Design and define Cloud solutions in a Virtualized environment using cloud controllers such as Juniper Contrail and Cisco Tail-F using SDN network elements. Configure Cisco Nexus 9k,7k,5k, and 2k in a Spine and Leaf network. VPC/Port channel configuration, OTV/Fabric Path between data Centers Vlan.
* Continuous monitoring of FortiGate firewalls installed in more than 2000 franchise stores in various locations worldwide using an IP-monitor monitoring tool.
* Maintaining Checkpoint security policies, including NAT, VPN, and Secure Remote access, Configuring IPSEC VPN (Site- Site to Remote Access) on SRX series firewalls.
* Interact with various ISPs and vendors, such as Cisco, FortiGate, F5, and Level 3, to consider physical circuit and hardware-related problems in MSIT network infrastructure.
* Experience on Checkpoint Firewalls NG, NGX R65, R70, R75, R77, NSX (VMware Network).
* Integrated VMware virtual machines to the test lab environment.
* Implemented and administered Websense Web Security Gateway for web content filtering and DLP.

**Environment:** Juniper EX-2200, EX-4200, EX-4500, MX-480, M Series, Juniper SRX5400, SRX5600 and SRX5800, Bluecoat Proxies, Juniper IPD, checkpoint, Infoblox, Juniper NSM, Splunk, Cisco ISE, Cisco ACI, Websense, SolarWinds NPM.

**Photon Technologies, Hyderabad, India**

**JR. Network Engineer**

**May2012–June2013**

# Responsibilities:

* + Implementing new/changing existing data networks for various projects as required.
* Troubleshooting complex networks layer 1, 2 to layer 3 (routing with MPLS, BGP, EIGRP, OSPF protocols)
* technical issues.
* Providing support to networks containing more than 2000 Cisco devices.
* Performing troubleshooting for Cisco IOS-related bugs by analyzing history and related notes.
* Installing and Upgrading Antivirus softwares like AVAST, NORTON, MCAFEE, Fore scout, etc.
* Carrying out the documentation for tracking network issue symptoms and large-scale technical escalations.
* Ensure Network, system, and data availability and integrity through preventive maintenance and upgrade.
* Involved in L2/L3 Switching Technology Administration, including creating and managing VLANs, Port security,
* Trunking, STP, Inter-VLAN routing, LAN security.
* Worked on the security levels with RADIUS and TACACS+.
* Completed service requests (i.e., IP readdressing, bandwidth upgrades, IOS/platform upgrades, etc.)
* Manage the service request tickets within the phases of troubleshooting, maintenance, upgrades, fixes, and patches
* • and provide all-around technical support.
* Commissioning and Decommissioning of the MPLS circuits for various field offices.
* Preparing feasibility reports for various upgrades and installations
* Identify, design, and implement flexible, responsive, and secure technology services
* Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ
* Environments to support new and existing application platforms.
* Configured switches with port security and 802.1 xs to enhance customer security.
* Monitored network for optimum traffic distribution and load balancing using Solar winds.
* Validate existing infrastructure and recommend new network designs.
* Created scripts to monitor CPU/Memory on various low-end routers in the network.
* Installed and maintained local printers as well as network printers.
* Handled installation of Windows NT Server and Windows NT Workstations.
* Handled Tech Support as it relates to LAN &amp; WAN systems
* Configuring and troubleshooting multi-customer network environment.
* Involved in network monitoring, alarm notification, and acknowledgment.
* Subnetting networks. Troubleshooting DHCP and DNS Servers.

**Environment:** Juniper EX-2200, EX-4200, EX-4500, MX-480, M Series, Juniper SRX5400, SRX5600 and SRX5800, Bluecoat Proxies, Juniper IPD, checkpoint, Infoblox, Juniper NSM, Splunk, Cisco ISE, Cisco ACI, Websense, SolarWinds NPM

# Overall Skills:

**Core Networking Skills:**

* + Cisco Routing & Switching: Extensive experience designing, implementing, and troubleshooting Cisco networks (routers, switches, Nexus)
  + Routing Protocols: Deep expertise in RIP, OSPF, EIGRP, BGP, and MPLS
  + Network Fundamentals: Strong understanding of LAN/WAN technologies, VLANs, STP, VTP, EtherChannel, ACLs, NAT IPv4 & IPv6: Experience migrating networks from IPv4 to IPv6

# Security:

* + Firewalls: Expert in configuring and managing multiple firewall platforms (FortiGate, Palo Alto, Cisco ASA)
  + Security Policies: Proficient in managing complex security policies in Cisco Security Manager (CSM)
  + Zscaler Cloud Security: Experienced in Zscaler deployment and configuration
  + Network Access Control (NAC): Designed and implemented Aruba ClearPass for enhanced security
  + Load Balancers: Experienced with F5 BigIP and Citrix NetScaler for high availability and performance

# Network Management & Monitoring:

* + Network Automation: Used Python for scripting and automation
  + Monitoring Tools: Experience with SolarWinds, Gigamon, NetFlow, and others
  + Troubleshooting: Expert in using Wireshark for deep packet analysis

# Cloud & Virtualization:

* + Cloud Networking: Strong experience in AWS, Azure, and Google Cloud
  + VMware: Proficient in virtualization technologies for network enhancement
  + Data Center Migration & ACI: Experience in data center migrations and Cisco ACI deployments

# Other Key Skills:

* + Wireless: Experience with Cisco wireless solutions (WCS, Prime)
  + Network Security Appliances: Experience with BlueCoat proxies and Imperva solutions
  + DevOps/Agile: Experience working with Agile methodologies and tools
  + Linux & Windows: Proficient in Linux command line and Microsoft Server environments

# Key Strengths Demonstrated:

* + Hands-on Expertise: Extensive experience configuring and troubleshooting a wide range of network devices and technologies
  + Security Focus: A strong understanding and implementation of various security solutions
  + Large-Scale Network Management: Experience managing complex networks with thousands of devices
  + Cloud Networking: Proficient in cloud networking concepts and technologies

Versatility: Ability to work with various vendors and technologies, both on-premises and in the cloud