**HARSHA**

**SUMMARY:**

* Wireless Network Engineer with 5+ years of experience in network routing, switching, and SD-WAN implementations, including Cisco ASA, Palo Alto Firewalls, Cisco ACI, and SD-WAN (Versa, Viptela) technologies.
* Expertise in network security, firewall configuration, cloud platforms (AWS, GCP), and optimizing multi-datacenter infrastructures for large-scale enterprises.
* Skilled in IPv4 subnetting, dynamic routing protocols (OSPF, EIGRP, BGP), and network performance optimization using tools like SolarWinds, Cisco Prime, and Cisco DNA Center.
* Proven track record in network troubleshooting, security incident response, risk management, and maintaining compliance documentation for audits.
* Strong focus on designing, deploying, and managing scalable network infrastructures across cloud and on-premise environments.
* Expertise in implementation, analysis optimization, troubleshooting, and documentation of WLAN/LAN/WAN/Firewall systems.
* Implementing and supporting F5 technologies such as SSL orchestration and Application Delivery.
* Implementing and supporting VMware on-premises on Cisco UCS compute.
* Routing / L2 & L3 switching, BGP, OSPF, EIGRP.
* Strongest with Cisco Application Centric Infrastructure within the SDN framework, working with integrations of Voice / Collaboration, Virtual Machine Management, and Multi-Site Orchestration.
* Strongest with initial build-out and implementation of Nexus 9k’s, within the ACI environment.
* Design expertise for the SD-WAN (Versa), SD-LAN and WAN optimization technologies for efficient delivery of the application data across LAN and WAN.
* Worked with a large portion of Cisco Enterprise Networking products – including ISE, WLC, 6500, and 4500 series, and Nexus 9k and 7k, and 5k.
* Upgrade Versa Flex VNFSD-WAN appliance software.
* Cisco WIFI, WLC, Aironet 3600 / 3700, Ruckus.
* Automation with Ansible and Postman, Cisco DNA center to generate health checks against Cisco IOS.
* Strongest with Initial design, build-out, implementation, and migration, on multiple F5 platforms (Viprion, i10k, i2k) administration and optimization.
* Expert-level knowledge of the F5 Application and Content Delivery products, including application security.
* Expertise for the SD-WAN (Versa & Viptela), SD-LAN and WAN optimization technologies for efficient delivery of the application data across LAN and WAN.
* Knowledge of SMF / UPF / AMF / MME, SAEGW, SPGW, ePDG, SaMOG 3GPP standards 5G / CUPS / LTE EPC/ GSM /VOLTE, VO-WIFI CDMA, VNet’s and VNet peering, VSS /VPCs/ASR and VPC Peering, Transit Gateways, Express Route, Azure Hub Spoke Configuration and call flows spectrum, Netbrain with qApps, Thousand Eyes.

**PROFESSIONAL EXPERIENCE:**

**WellStar Health Systems Marietta, GA February 2022– Present**

**Role: Senior Network Engineer**

**Responsibilities:**

* Cisco ACI fabric, support and environment build out of green and brown field with deployment of VxRail, UCS-M, Azure L3out, and NSX-T.
* Support of modern data center (network, compute, storage) with cable patching of fiber, copper, and twinax.
* Troubleshoot IPSEC overlay connectivity from SD-WAN appliance to Versa SD-WAN controllers via Internet, MPLS and WBS transports.
* Deployment, administration and maintenance Cisco Nexus 9k’s, and all ACI infrastructure including spine & leaf additions.
* Providing support for 11 WellStar hospitals, multiple medical campuses, and physician offices including WiFi (Cisco 1100 & 3600 APs) for medical equipment and devices (IoT), route / switch troubleshooting and resolution.
* Supported and managed Cisco ACI fabric and deployment of VxRail, UCS-M, Azure L3out, and NSX-T within a modern data center environment.
* Managed the design, deployment, and maintenance of SD-WAN solutions (Versa, Viptela), ensuring optimized connectivity across branch offices and data centers.
* Deployed and managed Cisco Nexus 9k’s, ACI infrastructure (spine & leaf), firewall configurations, and SD-WAN controllers (Versa) for enhanced network performance.
* Utilized SolarWinds, Cisco DNA Center, vRealize Network Insight, and Cisco ISE to monitor, manage, and troubleshoot network performance across 11 hospitals, medical campuses, and multiple remote offices.
* Provided expert-level support for wireless networks (Cisco WLC 1100 & 3600, Aironet APs) used for IoT medical devices and remote patient monitoring.
* Ensured network security and compliance by regularly auditing configurations, handling incident responses, and maintaining accurate documentation for audit readiness.
* Architected multi-site network infrastructures, integrating IoT devices and cloud-based applications while maintaining high availability and performance.
* Delivered Visio designs and rack elevation drawings for data center build-outs and upgrades.

**PerkinElmer India Ltd - Bangalore, India** **Jan 2020 - May 2021**

**Role: Network Engineer**

**Responsibilities:**

* Implemented network technologies including Cisco routers, switches, and access points in office buildouts and Cisco gears.
* Analyzed and tested network protocols (Ethernet, TCP/IP) using Wireshark to determine any outages.
* Configured Routing protocols RIP, OSPF, EIGRP, ISIS, Cisco GSS GSLB, static routing, and policy-based routing.
* Using solar winds 2020.2.6 NCM (Network configuration manager) I deployed network device configurations in bulk and schedule configuration changes or firmware upgrades.
* Using solar winds 2020.2.6 SAM(Server & Application Monitor) monitored server resource utilization, such as CPU, memory, and disk usage, to identify potential bottlenecks or performance issues.
* Using SAM monitored application availability, response time, and performance metrics to ensure optimal user experience through solar winds 2020.2.6.
* Utilized ClearPass to enforce security policies, authenticate and authorize users and devices, and control network access based on user roles, device types, and other contextual factors using Aruba.
* Identify areas that can be automated. These may occur during the initial setup of network device configuration deployment, change management, or acceptance testing.
* Internal documentation is used to transfer knowledge of implemented systems and processes to make the switch to Infrastructure as Code for our data centers. This is a fairly common occurrence in Cloud environments.
* Large-scale, quick-to-deploy data center deployments.
* Implemented Cisco network technologies (routers, switches, access points) and firewall management (Cisco ASA) for office buildouts, improving network performance and security.
* Configured routing protocols (OSPF, EIGRP, BGP), VLANs, STP, and Ethernet for optimized routing, redundancy, and fault tolerance.
* Utilized SolarWinds NCM and SAM for automated network configuration management, server resource monitoring, and performance optimization.
* Collaborated on network automation using Ansible, REST APIs, NETCONF, and YANG to streamline network configurations and reduce human error.
* Deployed F5 load balancing (LTM) for high-availability application delivery and optimized performance.
* Maintained network security by monitoring vulnerabilities, responding to security incidents, and enforcing policies using ClearPass and Aruba network solutions.
* Supported the deployment and management of cloud solutions (AWS, Azure), including VPC, subnet groups, and security configurations.

**Coveo Info Solutions, Hyderabad, India Jan 2019 - Jan 2020**

**Role: Network Engineer**

**Responsibilities:**

* Configured an AWS Virtual Private Cloud (VPC) and Database Subnet Group for isolation of resources within the Amazon RDS Aurora DB cluster.
* Supported and created Cloud Architectures for Security, Infrastructure, Data with delivery teams working
* primarily within an Agile Scrum methodology.
* Involved in troubleshooting of DNS, DHCP and other IP conflict problems.
* Implementation of name resolution using DNS in TCP/IP environment
* Worked on Cisco Layer 2 switches (spanning tree, VLAN, VTP, trunking using dot1q).
* Worked on Cisco routers 7200, 3800, 2800 and Cisco switches 4900, 2900.
* Configuring OSPF, RIP, EIGRP protocols and IP sub-netting, Routers and Switches Supported and maintained networking devices, cabling, and standalone systems as part of job duties.
* Installed and Configured Active Directory in Windows Server 2003 and helped System Admins to set up LAN network in the company.
* Designed and deployed AWS VPC and RDS Aurora DB for enhanced cloud security and infrastructure isolation.
* Troubleshot network performance issues, including DNS, DHCP, and IP conflict resolution across the enterprise network.
* Managed Cisco Layer 2/3 switches and routers (RIP, EIGRP, OSPF) to ensure high network availability and optimized performance.
* Supported network monitoring through SolarWinds NPM and generated performance reports to proactively identify and resolve potential bottlenecks.
* Collaborated in an Agile Scrum environment to design and implement cloud-based networking solutions for infrastructure and security.
* Configured Cisco access points and WLAN controllers to ensure secure wireless access for enterprise users.
* Delivered training on network troubleshooting, performance optimization, and cloud security practices to team members.

**TECHNICAL SKILLSET:**

* Protocols: OSPF, BGP, EIGRP, IPv4 Subnetting, VLANs, STP, RIP, TCP/IP, VTP.
* Firewalls: Cisco ASA, Palo Alto, Fortinet, IPS/IDS, VPN.
* SD-WAN: Versa, Viptela, Cisco SD-WAN.
* Cloud Platforms: AWS (VPC, RDS, IAM), GCP (VPC, IAM), Azure (VNet, ExpressRoute).
* Network Management Tools: SolarWinds (NPM, NCM, SAM), Cisco Prime, Cisco DNA Center, Nagios, NetBrain.
* Network Automation: Ansible, REST APIs, NETCONF, YANG, GitOps, Jenkins, PyATS.
* Load Balancing & Application Delivery: F5 LTM, SSL Orchestration, Versa SD-WAN.
* Wireless: Cisco WLC, Aironet APs, Aruba Networks, CAPWAP, Mobility Anchors.
* Security Tools: ClearPass, Cisco ISE, Palo Alto, FireEye, IDS/IPS.
* Other Tools: Wireshark, Postman, Ekahau, Visio, Infoblox, NetScout, ThousandEyes.

**EDUCATIONAL DETAILS:**

Masters in cybersecurity from Saint Louis University, Saint Louis, MO, USA

Bachelors in computer science from SR Engineering College, Warangal, India