**Aluri Bangar H1b**

**Senior Network Engineer Charlotte, NC**

**PROFESSIONAL SUMMARY**

* CCNA, CCNP, CEH, PCNSE Certified professional with 10 years of experience in designing, installing, configuring, testing, troubleshooting, and optimizing enterprise data networks and service provider systems.
* Strong expertise in SD-WAN technologies (Silver Peak, Cisco Viptela, Meraki), network migrations, and hybrid cloud connectivity.
* Deployed, configured, and managed Silver Peak SD-WAN edge devices and orchestrators for branch-to-branch and branch-to-cloud optimization.
* Extensive experience with Cisco Meraki (MX, MR, MS series) including wireless deployments, firewall migrations, VPN tunnels, and cloud dashboard administration.
* Hands-on expertise in data center networking (Cisco Nexus 2000–9000, ACI, OTV, VPC, Fabric Path) and WAN/LAN technologies.
* Designed and implemented Cloudflare ZTNA and Secure Service Edge (SSE) for zero-trust remote access.
* Strong background in firewalls (Cisco ASA, Firepower, Palo Alto, Checkpoint, Fortinet), load balancers (F5 LTM/GTM, Citrix Netscaler), and security integrations.
* Skilled in network automation (Python, Terraform, APIs), hybrid cloud networking (AWS, Azure, GCP), and large-scale firewall/SD-WAN migrations.

**TECHNICAL SKILLS**

* **Router & VoIP Platforms:** Cisco (7300, 4000, 3800, 2000, 1900), Juniper (T4000, MX10, MX40, ACX2200, ACX5000), Avaya products, Cisco IP Phones, SIP-based VoIP solutions.
* **Routing Protocols & Fundamentals:** RIP, EIGRP, IS-IS, OSPF, BGP, IPX, MPLS, IPv4/IPv6 addressing, subnetting, VLSM, Static Routing, ICMP, ARP, HSRP, VRRP, Route Filtering, Multicast, Policy-Based Routing, Redistribution, Port Forwarding, Arista Routing.
* **Switch Platforms:** Cisco Catalyst (2960, 3560, 3850, 4500, 6500, 7000, 9000), Cisco Nexus (2K, 5K, 7K), Netgear, Nortel/Avaya (5510, 5520), Juniper EX (3300, 3400, 4300, 4600).
* **Switching Protocols & Technologies:** Ethernet, LAN, VLAN, VTP, STP, PVST+, RSTP, Multilayer Switching, 802.1Q, EtherChannel, PAGP, LACP, CDP, HDLC, RARP.
* **Firewall Platforms:** Palo Alto (PA 2K/3K/5K), Juniper Netscreen (6500, 6000, 5400), Juniper SSG/SRX (5600, 5800), Checkpoint (NGX R65, 3100, 5100, 5900), Cisco ASA (5505, 5506-X, 5585), Netgear, Fortinet (101F–1500D), WAF, Cisco ACI.
* **Security Protocols & Standards:** ACLs (Standard/Extended), IPsec, VPN (SSL, IKE), Port Security, AAA, NAT/PAT, Prefix Lists, Zone-Based Firewalls, HIPAA standards, IDS/IPS, TCP Intercept, Blue Coat URL Filtering, Content Filtering, Load Balancing, L2F, Router Security, SNMP Traps.
* **Network Management & Monitoring:** Wireshark, Infoblox, HP OpenView, Cisco Prime, SDM, CiscoWorks, TCPDump, SolarWinds (NetFlow Traffic Analyzer, NPM, NCM), SevOne, SiteScope.
* **Load Balancers:** F5 BIG-IP (LTM, GTM/DNS, ASM, APM, WAF), Citrix NetScaler, VeloCloud.
* **WAN Technologies:** Frame Relay, ISDN, ATM, MPLS, PPP, T1/T3, DS1/DS3, OC3, SONET (OC3–OC192), SDH, POS, PDH.
* **Cloud & Automation:** AWS, Microsoft Azure, Cisco Meraki, Python, C, Shell scripting, Cloud Migration, Network Automation.
* **Networking Fundamentals:** DHCP/DNS, NTP, NDP, TCP/UDP, FTP/TFTP/HTTP, SNMP logging, PAP, PPTP, SIP Trunking, BitTorrent, SMTP, RADIUS, TACACS+, PBX, Active Directory, NHRP, NetBIOS, NFS, SDN, SAN.
* **Operating Systems:** Windows (10/7/XP, Server), MacOS, Linux, UNIX, Nexus OS, Cisco IOS-XR.

**CERTIFICATIONS**

* **CCNP** – Cisco Certified Network Professional
* **CCNA** – Cisco Certified Network Associate
* **PCNSE** – Palo Alto Networks Certified Network Security Engineer

**EDUCATION**

* **Master’s in Informatics**, Northeastern University – 2016
* **Bachelor of Engineering in Computer Science**, JNTU – 2012

**Professional Experience**

**Client: Optum, OH**  
**Role: Senior Network Engineer** | Aug 2024 – Present

* Designed and implemented Meraki SSIDs, VLAN tagging, and access policies through the Meraki Dashboard.
* Led ASA firewall migration to Meraki Next-Gen Firewalls, including migration of IPsec tunnels, ACLs, NAT policies, and SD-WAN integration.
* Designed and implemented SD-WAN overlays, traffic steering policies, and QoS for application performance and high availability.
* Configured Meraki APs with RADIUS/Active Directory (802.1X) for secure enterprise wireless authentication.
* Managed Silver Peak SD-WAN integration with MPLS and broadband circuits to optimize cloud application performance.
* Leveraged Cisco DNA Center analytics and assurance for proactive monitoring and optimization of network health.
* Worked on Arista CloudVision (CVP, CVX) and integrated SDN-based routing with Cisco and Juniper devices.
* Conducted wireless site surveys and optimized Meraki wireless performance in branch and enterprise deployments.

**Client: MISO, IN**  
**Role: Senior Network Engineer** | Nov 2022 – Jul 2024

* Integrated Silver Peak appliances with WAN infrastructure, enabling secure connectivity to Azure and AWS cloud platforms.
* Monitored SD-WAN performance and application visibility via Silver Peak Orchestrator.
* Troubleshot and configured Velocloud SD-WAN policies and failover scenarios.
* Designed and implemented Meraki Cloud Dashboard monitoring for Wi-Fi health, analytics, and optimization across multiple campuses.
* Automated SD-WAN and Cloudflare policy deployments using Terraform and APIs.
* Conducted Wi-Fi site surveys (Ekahau, AirMagnet) and optimized RF profiles for enterprise and warehouse environments.
* Configured Citrix Netscaler tunnels to Zscaler for secure application access in a hybrid cloud model.

**Client: Hackensack Meridian Health, NJ**  
**Role: Cloud Network Engineer** | Sep 2020 – Oct 2022

* Configured and troubleshot Meraki APs using packet capture and spectrum analysis to resolve roaming, latency, and interference issues.
* Applied firmware upgrades and compliance patches across Meraki wireless networks.
* Supported Versa SD-WAN appliance deployments and Zscaler proxy integrations for secure WAN access.
* Migrated legacy VPNs to Cisco FlexVPN and SD-WAN solutions for scalability and redundancy.
* Monitored and optimized wireless networks using Meraki Dashboard and Aruba AirWave.
* Designed and migrated ACI Fabric (Nexus 7K/5K → ACI 9336PQ/9332PQ) for data center modernization.

**Client: Cisco, CA**  
**Role: Network Security Engineer** | May 2018 – Aug 2020

* Designed and deployed Cisco Meraki SD-WAN solutions for global WAN connectivity, including MX edge firewalls, site-to-site VPNs, and policy-based routing.
* Implemented Silver Peak SD-WAN solutions for enterprise branch connectivity, reducing latency and improving SaaS application performance.
* Deployed and managed Meraki wireless guest portals using ISE and WLC features for secure access.
* Conducted SD-WAN role integration across multiple global locations with multi-cloud providers (AWS, Azure).
* Supported enterprise firewall environments (Checkpoint, Fortinet, ASA) and integrated with SD-WAN edge devices for end-to-end secure connectivity.

**Client: Availity, FL**  
**Role: Network Security Engineer** | Feb 2016 – Apr 2018

* Designed and deployed campus switching infrastructure with Cisco Catalyst 6500/5500 series in high-availability mode using HSRP.
* Configured advanced spanning tree features (UDLD, PortFast, UplinkFast, RSTP) to enhance Layer 2 resiliency.
* Supported enterprise WAN connectivity by configuring and troubleshooting OSPF, BGP, and route optimization.
* Deployed Cisco Meraki Enterprise Cloud Wireless Bridge/Repeater to extend LAN connectivity securely across multiple buildings.
* Configured and optimized SD-WAN solutions (Meraki, Silver Peak, OpenStack) for branch and data center interconnectivity.
* Implemented Firepower Threat Defense (FTD) on ASA 5500-X, 4110, and 2110 appliances managed via FMC, including migration of ACLs, NAT, and VPN policies.
* Developed and enforced edge security policies with ACLs, uRPF, prefix-lists, and implemented BGP security best practices (prefix filtering, MD5 authentication, max-prefix limits).
* Collaborated with telecom providers on DID, PRI circuits, and SIP trunking to support enterprise voice infrastructure.
* Conducted deep network troubleshooting with packet analysis tools (Ethereal/Wireshark) and IOS bug analysis.
* Supported nationwide LAN/WAN infrastructure across Cisco 2600/3600/7200 routers and Catalyst 4510/6513 switches.
* Authored detailed technical documentation for LAN/WAN configurations, lab testing, and change management procedures.

**Client: DXC, India**  
**Role: Network Engineer** | Sep 2012 – Nov 2014

* Installed and configured Cisco Routers (3600, 3900, 7200) and Switches (3550, 3560, 3750, 6500) for VLANs, OSPF, BGP, and VPNs.
* Implemented Cisco ACS for wired/wireless authentication using certificates and MAB, integrating with Active Directory.
* Designed and deployed EtherChannels, HSRP, VLAN Trunking, and hierarchical LAN (Access/Core/Distribution).
* Configured route redistribution between OSPF and EIGRP for seamless routing across hybrid environments.
* Implemented and supported high-availability firewall solutions using Juniper SRX (500/650), NetScreen, Cisco ASA 5520/5540/5585 with Firepower, and Checkpoint firewalls.
* Delivered secure connectivity with Site-to-Site and Remote Access VPNs leveraging Cisco ASA.
* Integrated AWS cloud networking services (VPC, EC2, Route53, IAM, CloudWatch, Auto Scaling) into enterprise WAN.
* Troubleshot and deployed intrusion prevention systems (IPS), anti-malware, and sandboxing for threat detection.
* Managed Citrix NetScaler Load Balancers and supported secure application delivery across hybrid networks.
* Performed subnetting, IP allocation, and DNS/DHCP management to support multi-team infrastructure requirements.
* Authored technical documentation and provided 24/7 operational support for enterprise WAN/LAN and remote campuses.