

SHALIKA REDDY

Senior Network Engineer | Enterprise Routing, Security & Automation
(737) 758-9421 • reddyshalika97@gmail.com • CCNP | PCNSE | Google Cloud Certified

PROFESSIONAL SUMMARY

Senior Network Engineer with 6+ years designing, securing, and automating enterprise networks (data center, campus, hybrid cloud, branch) for organizations running regulated, mission-critical workloads in banking and healthcare. Led a next-gen firewall migration across 35 sites with **zero unplanned downtime**, built Python/Ansible/Terraform automation that cut manual provisioning time by **40%**, and maintained 99.9%+ uptime across multi-vendor routing, switching, and hybrid-cloud infrastructure. Holds 8 active certifications spanning Cisco (CCNP, CCNA), Palo Alto (PCNSE), and Google Cloud.

TECHNICAL SKILLS

Routing & Switching: BGP, MP-BGP, OSPF, EIGRP, IS-IS, MPLS, VXLAN, EVPN, Spine-Leaf, VLAN, STP/RSTP/MSTP, vPC/M-LAG, HSRP/VRRP, VRF, PBR, QoS, NAT/PAT, ACL

Platforms: Cisco Catalyst/Nexus/ISR/ASR/ACI/DNA Center/SD-WAN/Meraki, Juniper SRX/EX/Mist, Arista EOS, Aruba

Security: Palo Alto NGFW/Panorama, Fortinet FortiGate/Manager/Analyzer, Cisco ASA/Firepower/ISE, Zscaler ZIA/ZPA, Zero Trust, IPSec/SSL VPN, DMVPN

Cloud: AWS (VPC, Transit Gateway, Direct Connect), Azure (VNet, ExpressRoute), GCP (VPC, Hybrid Connectivity), Multi-Cloud Networking

Automation: Python, Ansible, Terraform, Netmiko, REST APIs, Git, CI/CD, Infrastructure as Code

App Delivery & Monitoring: F5 BIG-IP (LTM/GTM/ASM/APM), A10, SolarWinds, Splunk, Wireshark, NetFlow, Infoblox/BlueCat

Wireless: Cisco 9800 WLC, Aruba, Ekahau Site Survey, 802.1X

ITSM: ServiceNow, Jira, ITIL (Incident/Change/Problem Management)

PROFESSIONAL EXPERIENCE

Senior Network Engineer — Huntington Bank, Columbus, OH

Apr 2025 – Present

- Maintained **99.9% uptime** across data center, campus, and hybrid-cloud infrastructure supporting core banking applications used by 150+ branches and 8,000+ internal users.
- Led migration of 60 legacy firewalls to Palo Alto and Fortinet next-gen platforms with **zero unplanned downtime**, then centralized policy management under Panorama/FortiManager, cutting policy deployment time by 30%.
- Redesigned Layer 2/3 routing (BGP, OSPF, EIGRP, VRF, route redistribution) across Catalyst, Nexus, Arista, and Juniper platforms, reducing routing-related incidents by **25%** and average convergence time by 20%.
- Onboarded 40+ applications into Cisco ACI by engineering tenants, VRFs, EPGs, and contracts, cutting application onboarding time from **3 weeks to 5 days**.
- Deployed Cisco ISE with 802.1X and role-based access control across 5,000+ endpoints, reducing unauthorized network access incidents by **35%**.
- Architected secure hybrid-cloud connectivity (AWS Transit Gateway, Azure ExpressRoute, GCP VPC) supporting migration of 20+ workloads with **zero connectivity-related outages**.
- Built Python, Ansible, and Terraform automation replacing manual provisioning workflows, cutting configuration deployment time by **40%** and eliminating 25 hours/month of repetitive work.
- Configured F5 BIG-IP (LTM/GTM) for 30+ applications, cutting SSL/application-availability incidents by **20%**.
- Optimized wireless infrastructure (Cisco 9800 WLC, Aruba) across 50+ sites, reducing Wi-Fi-related help desk tickets by **30%**.
- Managed Versa SD-WAN across 75 branch locations, sustaining **99.5% tunnel uptime** and improving application-aware routing performance.
- Cut mean-time-to-resolution by **30%** on critical production incidents through proactive monitoring (SolarWinds, Splunk, Wireshark) and cross-team root-cause analysis with cloud, security, and application teams.

Network Engineer — CVS Health, Woonsocket, RI

Jan 2023 – Mar 2025

- Supported 25 campus locations on Palo Alto NGFW/Panorama and Zscaler ZIA/ZPA, advancing Zero Trust rollout and cutting policy-related access incidents by **20%**.

- Configured Cisco ISE (802.1X, device profiling, AD integration) to secure network access for 3,500+ endpoints with **25% fewer** unauthorized-access events.
- Ran wireless site surveys (Ekahau) across 15 facilities, closing coverage gaps that cut Wi-Fi complaint tickets by **35%**.
- Automated configuration backups, audits, and routine administration with Python and Ansible, reducing manual operational effort by **20 hours/month**.
- Maintained Site-to-Site VPN, IPSec, and DMVPN connectivity for 18 remote campuses, resolving tunnel/routing issues with **25% faster** mean-time-to-resolution.
- Supported F5 BIG-IP LTM/ASM and A10 ADC for 20+ applications, improving traffic distribution and application availability.
- Used Cisco DNA Center to simplify provisioning and image management across 300+ devices, cutting deployment time by **30%**.
- Identified and resolved recurring network outages via SolarWinds/Splunk/Wireshark monitoring, reducing repeat incidents by **25%** through root-cause fixes.

Network Engineer — Synoptek India Pvt Ltd, Ahmedabad, India

Jul 2020 – Dec 2022

- Supported enterprise LAN/WAN/data center networks across 20 sites, sustaining **99.8% uptime** for business-critical connectivity.
- Redesigned BGP/OSPF routing and route redistribution between enterprise and data center networks, cutting routing incidents by **20%**.
- Reconfigured Cisco Catalyst/Nexus switching (VLANs, RSTP, PVLANs, vPC) to raise Layer 2 availability, reducing switching-related downtime by **25%**.
- Resolved packet loss, latency, and TCP session issues via Wireshark packet analysis, cutting application-performance tickets by **20%**.
- Monitored MPLS WAN circuits across 12 locations, meeting **99% SLA compliance** through proactive issue resolution with carriers.
- Deployed Cisco DNA Center for device provisioning and policy-based segmentation across 200+ devices, cutting manual provisioning time by **25%**.
- Maintained DHCP failover/DNS across Windows Server and Cisco IOS platforms, achieving **99.9% service availability** for IP address allocation.

CERTIFICATIONS

- Cisco Certified Network Professional (CCNP) — Active
- Cisco Certified Network Associate (CCNA) — Active
- Palo Alto Certified Network Security Engineer (PCNSE)
- Google Cloud Certified — Professional Cloud Network Engineer
- Google Cloud Certified — Professional Cloud Security Engineer
- Google Cloud Certified — Associate Cloud Engineer
- Google Cloud Certified — Cloud Digital Leader

EDUCATION

Master of Science in Information Technology Management

Webster University, San Antonio, TX