

Sudarshan Reddy Rajapurada

Network Engineer

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SUMMARY

Network Engineer with hands-on experience in configuring and securing enterprise networks using Cisco and Palo Alto technologies. Strong foundation in routing (OSPF, BGP), VPNs, VLANs, and firewall policy management. Demonstrated ability to reduce network incidents, implement scalable firewall architectures, and support hybrid environments. Certified CCNA and PCNSE, and skilled in tools like Wireshark, Panorama, and Ansible. Passionate about automation, cloud security, and Zero Trust frameworks.

SKILLS

Networking Skills : WAN/LAN, WLAN, VPN, VoIP, Routing (OSPF BGP & EIGRP), Switching, STP, ARP, VLANs, Trunking, LACP, VPCs, SD-WAN, Network Design, Network Management Platforms, Network Monitoring, Troubleshooting, Disaster Recovery Planning

Network Security Firewall Configuration, Palo Alto, Cisco ASAs, Cisco FirePower, Fortigate, Zero Trust Principles, Cloud Security, IDS/IPS, Multi-Factor Authentication (MFA), Forward/Reverse Proxies, Load Balancers, Security Best Practices, Vulnerability Management

Palo Alto and Panaroma Panorama, GlobalProtect, Next-Generation Firewall (NGFW) virtual/physical appliances

General Tools/Platforms Wireshark, NMAP, Metasploit, Aircrack-ng, Ansible, Github, Cisco Modeling Labs, Linux, SolarWinds

Scripting and Automation Python, PowerShell, Network Automation, Bash, Ansible

Cloud Computing Microsoft Azure, AWS

Protocols TCP, UDP, IP, ICMP, LDAP, RADIUS, DNS, DHCP, HTTP, TLS, SMTP, SSH, SCP

EXPERIENCE

Network Administrator Intern June 2020 - June 2021
Rinex Mangalore, India

- Managed and optimized network infrastructure (routers, switches, firewalls, VPNs), reducing incidents by 15% and ensuring 99.9% uptime through proactive monitoring and troubleshooting.
- Strengthened cybersecurity posture by actively participating in vulnerability assessments, threat analysis, incident response, and collaborating on security protocol enhancements.
- Ensured data integrity and operational efficiency through diligent system updates, patch management, data backups, comprehensive documentation of configurations, and deployment of new solutions.

Network Administrator September 2021 - July 2023
AiRoboSoft Bengaluru, India

- Configured and troubleshooted Cisco routers, switches, and Meraki wireless devices for LAN/WAN, VLANs, and wireless access for ~100 users across departments.
- Managed Palo Alto Next-Gen Firewalls using Panorama, including setting policies, NAT, URL filtering, and configuring remote access VPN via Global Protect for 50+ remote users.
- Monitored network health, analyzed traffic using Wireshark, and resolved VPN and firewall issues, reducing support tickets by 30% over 6 months.

EDUCATION

Master of Science in Cybersecurity (March-2025)
DePaul University

Relevant Coursework: Network Security, Digital Forensics, Computer Security, Ethical Hacking (Applied Social Engineering)

Bachelor of Science in Computer Science (2022)
Visvesvaraya Technological University

CERTIFICATIONS

Palo Alto Networks Certified Network Security Engineer (PCNSE) [Link](#) July 2025
Palo alto Networks

Cisco Certified Network Associate (CCNA 200-301) [Link](#) July 2024
Cisco

Network Hacking Continued: Intermediate to Advanced | Learn Ethical Hacking from scratch – Udemy 2023

Learn Bug Bounty Hunting Web Security Testing from Scratch Learn | Social Engineering from Scratch – Udemy 2022

PROJECTS

Firewall Configuration: Dual-Path Dual-Layer

- Designed and deployed a secure dual-layer firewall architecture with Active/Passive clustering to ensure high availability and optimized traffic flow.
- Configured static routes and firewall rules for sales, HR, and database servers, enhancing system integration and overall network efficiency.

Network Design and Implementation Project for Radeon Company Ltd.

- Built a hierarchical VLAN-based network for a 4-story office (10-120 clients), ensuring secure and segmented traffic flow.
- Used network simulation tools to test and validated performance for seamless business expansion and deployment.

PUBLICATIONS

Sai Madhavi, D., Sudarshan Reddy, R., Shivakumar, Meda, Siddesh Godinal, and Harshit B. (2022). Jarvis Voice Assistance. International Journal of Innovative Research in Technology, 9(1), pp 1317-1321. [URL](#)