

Karthik

Network Engineer

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Professional Summary

Network Engineer with 4 years of experience in managing network infrastructure and implementing network solutions. Familiar with Cisco switches, routing protocols, and basic network segmentation with hands-on experience in VLAN configuration and network monitoring.

Technical Skills

Hardware: Cisco Catalyst Switches (2960/3750), Cisco ISR Routers (2900/3900)

Protocols: OSPF, EIGRP, VLANs, 802.1Q, STP/RSTP, HSRP

Security: Basic 802.1X, ACLs, Port Security, DHCP Snooping

Monitoring: PRTG, SolarWinds (Basic), SNMP, Wireshark

Automation: Python (Basic), Ansible (Learning)

Tools: Putty, Visio, Excel

Professional Experience

Network Engineer — Cognizant, Kochi

August 2021 – Present

- Managed network infrastructure across 8 office locations supporting 2,000+ users
- Configured Cisco Catalyst switches for LAN connectivity and VLAN implementation
- Created VLANs for different departments to segment network traffic
- Configured 802.1Q trunking between switches for VLAN communication
- Implemented spanning tree protocol (STP) to prevent network loops
- Configured basic OSPF routing for inter-VLAN routing on Layer 3 switches
- Assisted in network equipment replacement during infrastructure upgrade project
- Configured port security and ACLs for basic network security
- Monitored network performance using PRTG Network Monitor
- Troubleshoot network connectivity issues using ping, traceroute, and show commands
- Performed regular configuration backups using TFTP server
- Maintained network documentation and updated topology diagrams in Visio
- Participated in maintenance windows for switch firmware upgrades

Junior Network Engineer — UST Global, Trivandrum

June 2020 – July 2021

- Supported senior network engineers in day-to-day network operations
- Configured basic switch and router settings including IP addressing and VLANs
- Monitored network alerts and created incident tickets in ServiceNow
- Assisted in troubleshooting basic connectivity issues
- Documented network changes and maintained equipment inventory

Education

B.Tech in Electronics & Communication — NSS College of Engineering, Palakkad — CGPA: 7.2/10 — 2016 – 2020

Certifications

CCNA — CompTIA Network+