SAPNA MAHESHWARI

Network Engineer | Network Design, Implementation & Security | Routing, Switching, Firewalls & Monitoring

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PROFESSIONAL SUMMARY

Network engineer with 4+ years' experience in the design, implementation, maintenance and troubleshooting of enterprise network infrastructure across ISP, carrier, banking and managed-services environments. Designs, deploys and maintains routers, switches, firewalls and wireless access points to support business operations and growth, and collaborates with cross-functional teams to develop network architecture and solutions aligned to business requirements and industry best practice. Implements and maintains network security measures — firewalls, intrusion detection/prevention (IDS/IPS) and VPNs — to protect against unauthorised access and cyber threats, and conducts regular security assessments and audits to identify vulnerabilities and ensure compliance with security policies and regulations. Monitors network performance, traffic and bandwidth utilisation using monitoring tools and diagnostic techniques, proactively identifying and resolving issues, optimising performance and implementing scalability and capacity-planning strategies. Strong understanding of networking protocols including TCP/IP, DNS, DHCP, VLANs and routing protocols (OSPF, BGP), with security protocols (SSL/TLS, IPsec). CCNA-certified with a B.E. in Telecommunications; studying toward CCNP. Right to work in the UK, no sponsorship required.

CORE SKILLS

- **Network Design & Implementation:** Design, deployment and maintenance of routers, switches, firewalls and wireless access points; network architecture and solutions; LAN/WAN; scalability and capacity planning
- **Routing, Switching & Protocols:** TCP/IP, DNS, DHCP; VLANs, trunking, STP, QoS; routing protocols — OSPF, BGP, EIGRP, static; subnetting; troubleshooting and fault resolution
- **Network Security:** Firewall configuration; intrusion detection/prevention (IDS/IPS); VPNs and security protocols (SSL/TLS, IPsec); security assessments and audits; vulnerability identification and policy compliance
- **Monitoring & Optimisation:** Network monitoring and diagnostics — Wireshark, Nagios, Cisco Prime, SolarWinds, SNMP; performance, traffic and bandwidth analysis; proactive issue resolution and tuning
- **Vendors & Platforms:** Cisco, Cisco Meraki, Juniper, Fortinet and Palo Alto; data-centre and multi-site enterprise networks; firmware and configuration management
- **Collaboration & Documentation:** Working with cross-functional teams and stakeholders at all levels; clear technical documentation; change management; analytical problem-solving and attention to detail

PROFESSIONAL EXPERIENCE

Network Engineer — Sep 2024 – May 2026

IBEX Global

- Designed, deployed and maintained network infrastructure — routers, switches, firewalls and wireless access points — to support business operations and growth across a multi-client environment.
- Collaborated with cross-functional teams to develop network architecture and solutions meeting business requirements and industry best practice.
- Implemented and maintained network security — firewalls, IDS/IPS and VPNs — and conducted regular security assessments and audits to identify vulnerabilities and ensure policy compliance.
- Monitored network performance, traffic and bandwidth utilisation using Wireshark, Nagios, Cisco Prime and SolarWinds, proactively identifying and resolving issues and optimising performance.
- Implemented scalability and capacity-planning strategies and maintained clear technical documentation and change records.

Network / Security Engineer (Banking) — Feb 2024 – Jul 2024

Bank Al-Habib Pvt Ltd

- Designed and secured enterprise network infrastructure within a highly regulated environment, configuring firewalls, VPNs (IPsec/SSL) and security controls to strict governance and audit standards.
- Conducted security assessments, resolved incidents, and documented configurations and changes to compliance standard.

IP Core / Network Engineer — Jan 2023 – Feb 2024

Transworld Pvt Ltd (Carrier / ISP)

- Designed, deployed and optimised large-scale core, WAN and data-centre networks (OSPF/BGP, VLANs, firewalls, VPN), sustaining 99.9% availability and monitoring performance and capacity.
- Led incident fault-finding with packet analysis and produced design, change and capacity documentation.

Network / IT Support Engineer **Jan 2022 – Jan 2023**

Multinet & StormFiber (ISPs)

- Configured and supported routing, switching, wireless, firewalls and VPNs across customer sites, monitoring performance and resolving faults with clear documentation.

CERTIFICATIONS & EDUCATION

- **Certifications:** CCNA (full track); Fortinet NSE 1-3; JNCIA-Junos; Palo Alto (hands-on); Cisco Meraki (hands-on); monitoring (Wireshark, Nagios, SolarWinds); studying toward CCNP; ITIL-aligned service operations

Bachelor of Engineering (B.E.) in Telecommunications — Distinction **Nov 2017 – 2021**

Quaid-e-Awam University of Engineering, Science & Technology (QUEST), Pakistan

ADDITIONAL INFORMATION

Right to work in the UK, no sponsorship required. London-based / commutable. A skilled, analytical network engineer with strong network design, implementation, security and monitoring skills, excellent problem-solving and attention to detail, and the ability to collaborate effectively with teams and stakeholders at all levels. References available on request.