

# Parag Mundra

## Network Engineer

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### PROFESSIONAL SUMMARY:

- Network Engineer with 5+ years of experience in designing, implementing, and managing complex network infrastructures across diverse environments.
- Expertise in configuring and maintaining next-generation firewalls (Palo Alto, Fortinet) and intrusion detection/prevention systems (Snort, Suricata) to enhance security.
- Proficient in deploying SD-WAN solutions (Cisco Meraki, VMware VeloCloud) that optimize branch connectivity while significantly reducing operational costs.
- Skilled in optimizing network performance through advanced load balancing techniques using F5 BIG-IP, implementing Quality of Service (QoS) policies, and utilizing dynamic routing protocols like BGP and OSPF for improved transaction speeds.
- Experienced in automating network management tasks with Python scripts and Ansible playbooks, leading to streamlined operations and reduced manual intervention.
- Expertise in hybrid cloud networking solutions, integrating Azure ExpressRoute with on-premises infrastructure to ensure secure connectivity for enterprise applications.
- Adept at proactive network health monitoring using tools such as SolarWinds, Splunk, and PRTG to generate predictive insights that minimize downtime. Experienced in designing VLAN configurations and implementing Spanning Tree Protocol (STP) to improve LAN segmentation.
- Proficient in supporting VoIP and Unified Communications platforms (Cisco UC, Microsoft Teams), ensuring seamless communication during critical business operations. Knowledgeable in Zero Trust Architecture principles and SSL/TLS encryption for securing remote access.
- Committed to enforcing compliance with industry standards such as ISO 27001, SOX, and GDPR through regular audits and security assessments.
- Highly skilled in real-time log analysis for incident response using Splunk and SolarWinds, enhancing security posture by reducing mean time to resolution for incidents.
- Proven ability to conduct capacity planning and hardware upgrades (Cisco Catalyst, Juniper EX) to support increased transaction volumes during peak periods.

### Technical Skills

<b>Network Security:</b>	Palo Alto Firewalls, Fortinet Firewalls, Snort, Suricata, SSL/TLS Encryption, ISO 27001 Compliance, GDPR
<b>Routing &amp; Switching:</b>	BGP, OSPF, VLAN, Spanning Tree Protocol (STP), Cisco Catalyst Switches, Juniper EX Switches
<b>Network Performance:</b>	F5 BIG-IP Load Balancers, QoS, SolarWinds, Nagios, PRTG
<b>Cloud Networking:</b>	Azure ExpressRoute, AWS Direct Connect, Cisco meraki, VMware veloCloud, Cisco Viptela
<b>Network Automation:</b>	Python, Ansible, Python Scripting, Ansible Playbooks, SolarWinds, Splunk, PRTG
<b>SD-WAN:</b>	Cisco Meraki, VMware VeloCloud, Cisco Viptela
<b>Unified Communications:</b>	Cisco UC, Microsoft Teams, VoIP
<b>Wireless Technologies:</b>	Wi-Fi 6 (802.11ax), IEEE 802.1x Authentication
<b>VPN Solutions:</b>	IPsec, SSL VPN, Site-to-Site VPN
<b>Monitoring &amp; Incident Response:</b>	Splunk, SolarWinds, Log Analysis
<b>Network Design:</b>	LAN/WAN Infrastructure Design, Multi-Site Network Topologies
<b>Data Center &amp; Disaster Recovery:</b>	Hybrid Cloud Networking, Disaster Recovery Strategies
<b>IoT Network Integration:</b>	POS Terminals, Digital Signage, Smart Inventory Tracking, Security Cameras
<b>Compliance &amp; Standards:</b>	SOX, GDPR, ISO 27001, HIPAA
<b>Automation Tools:</b>	Python, Ansible
<b>VoIP &amp; Unified Communications:</b>	Cisco UC, Microsoft Teams
<b>Wireless Infrastructure:</b>	Wi-Fi 6, IEEE 802.1x
<b>Hardware:</b>	Cisco ASR Routers, Catalyst Switches, Juniper EX, Palo Alto Firewalls
<b>Protocols &amp; Standards:</b>	OSPF, BGP, VLAN, STP

## **PROFESSIONAL EXPERIENCE:**

**JPMorganChase – NY | Sep 2023 – Present**

### **Network Engineer**

- Configured and maintained next-generation firewalls (Palo Alto, Fortinet) and IDS/IPS (Snort, Suricata), reducing unauthorized access incidents by 30%.
- Deployed SD-WAN solutions (Cisco Meraki, VMware VeloCloud), improving branch connectivity by 40% and reducing MPLS costs.
- Optimized financial transaction speeds using F5 BIG-IP, QoS, and dynamic routing (BGP, OSPF).
- Automated routine tasks like configuration backups and patch management using Python and Ansible, cutting manual effort significantly.
- Engineered hybrid cloud networking with Azure ExpressRoute, ensuring secure connectivity for 5,000+ users.
- Monitored network health using SolarWinds, Splunk, and PRTG, reducing downtime.
- Supported VoIP and Unified Communications (Cisco UC, Microsoft Teams) for trading floors, ensuring zero downtime.
- Conducted security audits, maintaining 99% compliance with ISO 27001, SOX, and GDPR.
- Designed VLAN and STP configurations, improving LAN segmentation and reducing broadcast storms.
- Integrated Zero Trust Architecture and SSL/TLS encryption, securing remote access for 5,000+ employees

**Deloitte – India | Jun 2020 – Jul 2022**

### **Network Engineer**

- Implemented Cisco Viptela SD-WAN across 50+ locations, reducing operational costs by 35% and improving connectivity by 45%.
- Designed a network segmentation strategy using VLANs and micro-segmentation, reducing cybersecurity risks by 60%.
- Automated network configurations with Python and Ansible, reducing manual tasks by 70%.
- Developed hybrid cloud networking with Azure, improving disaster recovery by 50%.
- Managed Cisco networking infrastructure, including ASR routers, Catalyst switches, and firewalls.
- Enhanced network security using Palo Alto firewalls and Snort IDS/IPS.
- Optimized wireless infrastructure with Wi-Fi 6 and IEEE 802.1x authentication.
- Implemented proactive monitoring with SolarWinds, achieving sub-5-minute MTTR for incidents.
- Configured site-to-site and remote access VPNs using IPsec and SSL VPN technologies.
- Integrated IoT devices (POS terminals, digital signage, smart inventory tracking) into the network.

**Capgemini – India | Jul 2018 – May 2020**

### **Network Engineer**

- Deployed LAN/WAN infrastructure, enhancing data transfer rates by 30%.
- Configured dynamic routing (OSPF, BGP) for efficient traffic management.
- Implemented Cisco Catalyst switches and routers with high availability and failover strategies.
- Integrated AWS Direct Connect with on-premises systems, streamlining hybrid cloud operations.
- Developed disaster recovery strategies, reducing downtime by 40%.
- Designed and implemented IPsec-based VPN solutions for secure remote access.
- Conducted wireless site surveys, increasing Wi-Fi coverage by 25%.
- Automated network tasks using Python, reducing manual configuration time by 50%.
- Ensured GDPR compliance with stringent security protocols.

## **EDUCATION:**

**Master of Cyber Security** - Fordham University, New York, USA.

**Bachelor of Software Engineering** - SRM University, Chennai, India.