AMIT SUR

NETWORK ENGINEER

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PROFESSIONAL SUMMARY

Network engineering professional with 5+ years of experience in infrastructure planning, technical procurement, and vendor management. Proven track record in analyzing complex requirements to lead strategic sourcing and deliver cost effective, scalable solutions. Skilled in resource allocation, field site analysis, and standardized process improvement. Transitioning into supply chain management and business inteligence to leverage expertise in data driven system optimization and cross functional project leadership .

WORK EXPERIENCE

Senior Network Architect
Comcast Corporation [Xfinity]
Philadelphia, PA | October 2024 - October 2025

- *Procurement & Vendor Management:* Managed technical procurement lifecycles by auditing TRDs, PRDs, and RFPs, coordinating with vendors to ensure timely project delivery and adherence to specifications.
- *Process Standardization:* Authored and implemented Standard Operating Procedures (SOPs) in JIRA to streamline workflows, reducing operational variance and improving team efficiency.
- *Infrastructure Asset Management:* Designed and configured comprehensive SCS labs, overseeing the integration of structural and smart electrical system requirements for testing initiatives.
- *Performance Analytics:* Established performance benchmarks using iPerf tools to evaluate system throughput, utilizing data analysis to identify bottlenecks and optimize network logistics.
- Security & Compliance: Oversaw network segmentation and security protocols (VLANs, Firewalls) to ensure data integrity and operational compliance.

Senior Wireless Network Engineer
Charter Communications [Spectrum]
Denver, CO | July 2023 - September 2024

- *Strategic Sourcing:* Guided equipment procurement strategies for client projects and internal labs by analyzing technical requirement documents (TRDs) to forecast hardware needs.
- *Stakeholder Communication:* Delivered technical presentations to stakeholders, translating complex infrastructure data into actionable insights on improvements and test outcomes.
- *Multi-Vendor Integration:* Managed the onboarding and configuration of enterprise hardware from diverse vendors (Ruckus, Mist, Meraki, Cambium, Plume), ensuring seamless interoperability in technical and supply chain ecosystems.
- *Quality Assurance (QA):* Designed and executed rigorous RvR and roaming testbeds to validate hardware performance against vendor quality standards.
- *Field Testing:* Conducted WLAN ATF testing to assess infrastructure capacity and performance in high-density campus environments.

5G Network System Test Engineer
Qualcomm Technologies Inc.
San Diego, CA | June 2020 - July 2023

- *Service Level Agreement (SLA) Validation:* Executed performance and stability testing on 5G modem chipsets to ensure strict adherence to internal SLAs and quality metrics.
- *Resource Management:* Configured and managed shared lab infrastructure, utilizing VLANs and subnets to optimize resource allocation and segmentation for multiple engineering teams.
- *Root Cause Analysis:* Troubleshot connectivity issues to resolve stability metrics, applying analytical methods to reduce downtime and maintain operational continuity.

Wi-Fi Network QA Intern
Juniper Networks [Mist Systems]
Cupertino, CA | June 2019 - August 2019

- *Field Logistics & Operations:* Conducted site surveys and field troubleshooting at major client locations (Six Flags, Stanford), utilizing Ekahau for spatial analysis and infrastructure planning.
- *Data Analysis:* Analyzed deployment issues via cloud dashboards and API testing to monitor system health and deployment success rates.
- *Access Management:* Implemented security and guest networking protocols (RADIUS, AAA).

EDUCATION

MASTER OF SCIENCE
ARIZONA STATE UNIVERSITY
JAN 2026 - PRESENT

MASTER OF SCIENCE
TELECOMMUNICATIONS ENGINEERING
UNIVERSITY OF COLORADO BOULDER
AUG 2018 - MAY 2020

BACHELOR OF ENGINEERING
ELECTRONICS AND COMMUNICATIONS
MANIPAL UNIVERSITY JAIPUR
AUG 2014 - MAY 2018

SKILLS

- **Project Management:** JIRA, SAP, Chalk, Tableau, Microsoft Word, PowerPoint, Excel.

- **Networking:** SCS, Subnetting, OSI, TCP/IP, IPv4, IPv6, Switch, Router, ICMP, DNS, SCP, Firewalls, ARP, DHCP, SSH, Serial, VLAN, NAT, PAT, UDP, TCP, PoE, Port Mirroring.

- **Technical Tools:** Wireshark, Ixia Chariot, Serial, Linux System Admin, ixVeriwave WT6E, iPerf-3, iGen, OctoScope, Ekahau.

- **Wireless:** WLAN, Mesh Networking, PCAP Analysis, RF Site Survey, IEEE 802.11 a/b/g/n/ac/ax/be, RvR, Wi-Fi Roaming, 6 GHz, WPA2, WPA3, DFS, RSSI, SNR, 802.11k/v/r, Band Steering, AAA, RADIUS, CAPWAP, RF Propagation.

- **Python:** Lists, Loops, Conditional Statements, Nesting, Regex.