

Suhas Dasari
Network Engineer
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PROFESSIONAL SUMMARY:

Senior Network Engineer with 7+ years of experience in global enterprise, data center, OT, and secure cloud environments. Expertise in designing, implementing, and troubleshooting complex network infrastructures using Cisco (ISE, Nexus, Catalyst, Meraki), Palo Alto (Panorama & Prisma AIRS), Aruba Orchestrator, and SD-WAN solutions, Solarwinds IPAM, Ecostructure schneider. Strong track record in multi-site LAN/WAN refreshes, OT network integration, network automation, and building secure multi-agent AI platforms with zero-trust security and data leakage prevention. Currently supporting network operations, OT deployments, and multi-site LAN refresh initiatives at Brookfield Asset Management. Currently supporting enterprise network operations and multi-site LAN refreshes at Brookfield Asset Management.

TECHNICAL SKILLS:

- **Network Monitoring & Tools:** SolarWinds (IPAM), Infoblox (DDI), Cisco DNA Center, Cisco Meraki Dashboard.
- **Networking Technologies:** LAN/WAN/SD-WAN, TCP/IP, VPN (IPSec, AnyConnect), VLAN, VXLAN, EVPN, STP/RSTP, Cisco ACI, Cisco Meraki.
- **Networking Hardware:** Cisco Catalyst (9300/9400/9500), Nexus (9k/7k/5k)
- **Routing Protocols:** BGP, OSPF, EIGRP, MPLS, Static Routing.
- **Security & Firewalls:** Palo Alto Panorama/Prisma AIRS, Cisco ISE (802.1X, MAB), Aruba ClearPass, Cisco ASA/Firepower.
- **Programming & Automation:** Python 3.x, Ansible, PowerShell, Perl, Shell Scripting.
- **Operating Systems:** Linux (RHEL/Ubuntu), Windows Server, Cisco IOS/IOS-XE/XR, NX-OS.
- **Wireless and Technologies:** Aruba (Mobility Controllers/Central, ClearPass, SD-WAN), Aruba Clearpass NAC, Cisco WLC, Cisco Meraki full stack
- **OT & Infrastructure:** OT network integration & camera systems, multi-site LAN refreshes, DNS/DHCP/IPAM, HLD/LLD Documentation.
- **IT Service Management & Support:** ServiceNow, Jira, Zendesk, Active Directory, Office 365 / Microsoft 365, JAMF Endpoint Management, Remote Desktop (RDP).

EDUCATION:

- Master's in Information Systems, George Mason University, VA, USA
- Bachelors in Mechanical Engineering, Malla Reddy Engineering College, India

CERTIFICATION:

- Cisco Certified Network Associate (CCNA)
- Aruba Accredited SD-WAN Professional (AASP)
- AutoCAD
- CCNP in progress

RESEARCH & PUBLICATION:• A Practical Architecture for Securing Voice and Text-Based AI Agents Using Palo Alto Networks
Prisma AIRS: Implementation and Evaluation May 2026 | DOI: 10.13140/RG.2.2.17043.23844
Co-author: Susmitha Gurram

EXPERIENCES:

Company: BrookField Asset Management | **From:** June 2026 - Till Date | On-Site, New York
Consultant - Technology Services
| Network

Responsibilities:

- Supporting enterprise network operations, OT infrastructure, and multi-tenancy architecture across multiple sites.
- Contributing to multi-site LAN Refresh initiatives including switch upgrades, cabling planning, power validation, and hardware readiness.
- Cisco Catalyst 2960, 9200, 9300, 9500 switches, IDF & MDF buildouts. Cat5e, Cat6, and Cat6a cabling
- Developed **BOMs** (Bill of Materials), rack elevation plans.
- Executed **rack & stack** activities, rack designing, and physical infrastructure deployment for network and OT camera systems.
- Worked closely with MSPs (Xalient, Yorktel) to oversee day-to-day network operations, incident resolution, and infrastructure support.
- Developed OT network integration documentation and cabling runbooks to support camera deployments and operational technology requirements.
- Performed UPS assessments, battery replacements, and power infrastructure validation for LAN and OT environments.
- Reviewed and optimized multi-tenancy designs, Site-to-Site VPNs (IPsec), and ISE/NAC policies with TACACS+ integration.
- Conducted site surveys, hardware inventory validation, and deployment preparation for network and OT systems.
- Connected and configured IP telephony devices (VoIP phones) to Cisco switches, including voice VLAN assignment, PoE validation, and troubleshooting of phone connectivity issues.
- Supported device onboarding using Cisco ISE and completed JAMF testing for endpoint integration.
- Investigated and resolved UPS load issues, access control problems, and network connectivity challenges in OT environments.

Company: Remo AI LLC | **From:** April 2025 – May 2026 | (Remote) | Co-Founder - Network Engineer

Responsibilities:

- Designed and implemented secure cloud network architecture for a multi-agent AI orchestration platform handling sensitive user tasks such as calendar management, reminders, Uber food ordering, and cryptocurrency transactions.
- Engineered a Zero-Knowledge (ZK) Telemetry system and Network-Level Identification (NLI) engine to analyze global network performance and detect Sybil attacks in real time.
- Deployed Palo Alto Panorama and Prisma AIRS for centralized security policy management, runtime agent security, prompt analysis, and data leakage prevention.
- Applied Aruba ClearPass for network access control, device profiling, and zero-trust authentication across the AI infrastructure.
- Designed and implemented secure cloud network architecture for a multi-agent AI orchestration platform using Palo Alto Panorama, Prisma AIRS.
- Designed and executed functional testing of network infrastructure (switches, routers) and Palo Alto Prisma AIRS security platform, validating configurations, connectivity, and security policies prior to production deployment.
- Built modular multi-agent systems using LangGraph for autonomous decision-making, task delegation, and complex workflow automation.
- Optimized backend performance in Python, reducing LLM latency by 30% through prompt caching and asynchronous execution.
- Built real-time observability dashboards and sophisticated agentic memory architectures for long-term context retention across sessions.
- Secured \$13,000 in AWS/Google Cloud/Cloudflare credits by presenting technical roadmaps for agentic

orchestration scalability.

- Created system and network architecture diagrams for multi-agent AI platform design and research publications using architecture modeling tools (including Abacus).
- Built secure network segmentation using Palo Alto and Aruba technologies to isolate AI agents and prevent data leakage during real-world interactions.
- Designed and optimized high-capacity multi-cloud interconnects between AWS, GCP, and Azure regions using Direct Connect, ExpressRoute, and Cloud Interconnect for low-latency AI agent communication.

Company: George Mason University | **From:** Jan 2024– Apr 2025 (Fairfax, VA) | Network Engineer
Responsibilities:

- Led end-to-end architectural design of high-performance LAN/WAN and VPN solutions to support the Rapid Prototyping Research Center (RPRC).
- Managed IP address allocation, DNS, and DHCP services using Infoblox IPAM across the university's enterprise and research networks.
- Defined High-Level Designs (HLD) and Low-Level Designs (LLD) for all network builds to ensure long-term scalability and audit compliance.
- Tuned advanced routing protocols (BGP, OSPF, EIGRP) for faster convergence and optimal path selection across the university WAN.
- Successfully executed 3x hardware refreshes, managing full lifecycle from rack-and-stack to logical migration and UAT.
- Maintained and supported IDF/MDF infrastructure across campus buildings, including power, cooling, and environmental monitoring.
- Performed regular inspections of network closets (IDF/MDF), validated UPS status, and coordinated remediation of power and cooling issues.
- Supported physical infrastructure readiness for network upgrades, including rack space, power availability, and structured cabling in IDF/MDF locations.
- Collaborated with ISP and carrier partners to provision and troubleshoot high-capacity 10G/40G/100G circuits.
- Hardened network perimeter by deploying and managing Palo Alto NGFW with advanced Threat Prevention and WildFire features.
- Implemented robust VPN solutions (IPSec) with MFA for secure remote research collaboration.
- Managed Cisco ISE for 802.1X wired and wireless authentication, automating device profiling and secure guest access.
- Led network infrastructure projects including deployment and management of Cisco Meraki wireless access points, MX security appliances, and MS switches across campus research facilities.
- Configured and troubleshot Cisco Meraki cloud-managed solutions as part of campus network modernization and high-availability initiatives.
- Utilized Jira for project tracking.

Client: Zensar Pvt Ltd | **From:** March 2022- Jul 2023 (Hyderabad, India) | Junior Network Engineer
Responsibilities:

- Configured and managed Aruba wireless access points and controllers along with Cisco infrastructure to support enterprise network connectivity for global banking clients.
- Implemented Aruba ClearPass for network access control (NAC), device profiling, posture assessment, and secure guest access.
- Performed troubleshooting and optimization of Aruba wireless networks, including SSID configuration, roaming, and RF optimization.
- Configured and managed Aruba wireless access points, controllers, and Aruba ClearPass for enterprise network access control.

- Supported network security operations using Palo Alto and Fortinet firewalls.
- Configured and troubleshot OSPF, EIGRP, BGP, and MPLS in multi-area environments.
- Automated network tasks and reporting using Python and Ansible scripts.
- Supported network security operations using Palo Alto while integrating Aruba ClearPass for unified policy enforcement.
- Monitored network and server performance using SolarWinds and Splunk to identify bottlenecks and potential issues.
- Supported network operations using Zendesk as the primary ticketing system to log, track, and resolve incidents efficiently while maintaining SLA compliance.
- Supported network infrastructure for global banking clients, including IT/OT network segmentation between corporate IT systems and operational technology environments.
- Gained exposure to enterprise architecture modeling tools (Abacus) for documenting network layouts and OT/IT segmentation designs.
- Worked on Infoblox for DNS, DHCP, and IPAM management, including DNS traffic control.
- Performed root cause analysis and documentation for network incidents and changes.
- Deployed and managed Aruba wireless access points, controllers, and Aruba ClearPass NAC for enterprise network access control in a global banking environment.
- Integrated Aruba ClearPass with Palo Alto for unified security policy enforcement.
- Automated network tasks and reporting using Python and Ansible scripts to improve efficiency.

Client: Aspire IT Solutions | **From:** Jan 2019 to Feb 2022 | Hyderabad, IND | Junior Network Engineer
Responsibilities:

- Provided technical support for network expansion and new user onboarding.
- Configured STP, VTP, and inter-VLAN routing on Cisco Catalyst switches.
- Implemented access-lists, redistribution, and dynamic routing protocols (OSPF, BGP).
- Gained hands-on experience with OSPF, BGP, VPLS, MPLS, and traffic engineering.
- Configured and troubleshot Cisco ACI, Layer 2/3-out, and BGP/OSPF environments.
- Managed and upgraded Palo Alto firewalls, Cisco routers, and Nexus switches.
- Worked on Infoblox for DNS, DHCP, and IP address management during migrations.
- Implemented security configurations on Wireless LAN using PEAP and EAP-FAST.
- Supported data center network upgrades using Arista spine-leaf architecture.
- Created policies, realms, and rules for application protection and SSO environments.
- Performed firewall rule remediation from Checkpoint to Cisco ASA.
- Configured Cisco Catalyst switches with STP, VTP, inter-VLAN routing, and port security for enterprise network expansion.
- Gained hands-on experience with advanced routing protocols including OSPF, BGP, VPLS, and MPLS.