

JAMINE CULLINS

Senior Network Engineer | Network Engineer Supervisor

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Professional Summary:

Results-driven Network Engineering Leader with 15+ years of experience designing, implementing, securing, and optimizing enterprise network infrastructures across manufacturing, aerospace, defense, and technology environments. Expertise in LAN/WAN, SD-WAN, Wireless Networking, Routing & Switching, Network Security, Data Center Operations, Cloud Networking, and Infrastructure Modernization. Proven success leading network engineering teams, deploying Cisco, Aruba, Palo Alto, Fortinet, Juniper, and Azure-based solutions while improving network availability, security posture, and operational efficiency. Strong background in enterprise wireless architecture, firewall administration, VPN technologies, automation, and cross-functional project leadership.

Technical Skills:

Routing, Switching & Network Protocols: BGP, OSPF, EIGRP, ISIS, MPLS, HSRP, VRRP, STP, RSTP, MSTP, QoS, VLANs, VTP, CDP, LLDP, BFD, IPv4, IPv6, Multicast, Route Redistribution

Wireless Networking: Aruba Central, Aruba Mobility Controllers, Aruba Gateways, Aruba ClearPass, AirWave, Cisco WLC, Cisco DNAC, Meraki Wireless, SSID Design, RF Optimization, 802.11a/b/g/n/ac/ax, WLAN Security, Guest Access

Network Security & Firewalls: Palo Alto NGFW, Panorama, FortiGate, FortiManager, FortiAnalyzer, Cisco Secure Firewall, Cisco ASA, Juniper SRX, NAT, ACLs, IPS/IDS, SSL Inspection, Threat Prevention, Zero Trust, Network Segmentation

Cloud & SD-WAN Technologies: Microsoft Azure, Azure Networking, Azure Firewall, Virtual WAN, VPN Gateway, Application Gateway, Load Balancer, Private Link, ExpressRoute, GCP Networking, SD-WAN, Hybrid Cloud Connectivity

Infrastructure & Data Center Technologies: LAN, WAN, SD-WAN, VPN, Data Center Infrastructure, High Availability, Disaster Recovery, Load Balancing, F5 BIG-IP, Rack & Stack, Structured Cabling, Capacity Planning, Network Modernization

Automation, Monitoring & Management Tools: Terraform, ARM Templates, Aruba APIs, Azure Monitor, Network Watcher, SolarWinds, Wireshark, SNMP, Syslog, NetFlow, FortiManager, FortiAnalyzer, Cisco DNAC, AirWave, ServiceNow

Operating Systems, Platforms & Leadership: Windows Server, Linux, VMware, Active Directory, DNS, DHCP, Oracle, Salesforce, Microsoft Office Suite, Project Management, Vendor Management, Team Leadership, ITIL, Change Management, Incident Management

Professional Experience:

SIEMENS ELECTRICAL

IT Support / Technical Operations (Manufacturing Environment)

Pomona, CA | Jan 2026 - Present

- Support manufacturing and production systems by troubleshooting hardware, software, and network connectivity issues across operational technology (OT) environments.
- Utilize ServiceNow ticketing platform to manage incidents, service requests, and root cause investigations while meeting SLA requirements.
- Perform system diagnostics and equipment validation to minimize production downtime and improve operational continuity.
- Collaborate with engineering and operations teams to resolve infrastructure, workstation, and industrial networking issues.
- Maintain compliance with corporate security standards, safety procedures, and change management processes.
- Support deployment, configuration, and maintenance of Windows-based systems, printers, scanners, and production-related technologies.
- Document technical procedures, operational workflows, and troubleshooting guides to improve support efficiency.

SAFRAN ELECTRONICS & DEFENSE, AVIONICS EMS DIVISION

Network Engineer / Wireless Engineer

Irvine, CA | Jan 2025 - Dec 2025

- Designed and deployed enterprise-grade Palo Alto next-generation firewall infrastructure supporting secure connectivity across corporate and manufacturing environments.
- Architected Aruba wireless network solutions utilizing Aruba Central, Gateways, Controllers, and Access Points across multiple locations.
- Led migration from legacy Cisco wireless infrastructure to Aruba Central-managed architecture, improving network visibility and centralized management.
- Implemented enterprise routing and switching technologies including BGP, OSPF, EIGRP, MPLS, QoS, HSRP, STP, BFD, and ISIS.

- Designed and deployed secure site-to-site and remote-access VPN solutions using Palo Alto and Fortinet technologies.
- Integrated Aruba wireless infrastructure with existing LAN/WAN environments while ensuring compliance with security and network design standards.
- Managed firewall policies, NAT configurations, threat prevention profiles, and segmentation strategies to strengthen network security posture.
- Automated AP provisioning, firmware upgrades, and configuration management using Aruba Central APIs.
- Implemented Azure cloud networking services including virtual networks, VPN gateways, routing policies, and hybrid cloud connectivity.
- Collaborated with cybersecurity, infrastructure, and application teams to support secure network modernization initiatives.
- Utilized FortiManager and FortiAnalyzer to centralize policy management, logging, reporting, and compliance monitoring.
- Performed network validation, performance tuning, and capacity planning to ensure high availability and optimal user experience.

WORLD WIDE TECHNOLOGY

Network Engineer Supervisor / Wireless Engineer

Edwardsville, IL | Jan 2016 - Dec 2024

- Led network engineering operations supporting enterprise LAN, WAN, WLAN, SD-WAN, and security infrastructure across multiple business units.
- Supervised network engineering teams, providing technical leadership, mentoring, performance management, and project oversight.
- Designed and maintained Aruba wireless infrastructure including Mobility Controllers, Gateways, Access Points, ClearPass, AirWave, and Aruba Central.
- Managed wireless authentication, encryption, SSID design, role-based access controls, and guest access services.
- Implemented controller clustering, redundancy, and load-balancing strategies to improve wireless resiliency and uptime.
- Administered Fortinet security solutions including FortiGate, FortiAnalyzer, FortiManager, and FortiEMS across hybrid enterprise environments.
- Developed and enforced firewall policies, SSL inspection, web filtering, threat prevention, and secure remote access solutions.
- Partnered with security teams to support compliance initiatives, vulnerability remediation, and network hardening projects.
- Led network modernization projects involving SD-WAN deployment, cloud connectivity, and infrastructure upgrades.
- Managed enterprise routing protocols including OSPF, BGP, VRRP, and route redistribution.
- Established KPI-driven operational processes that improved service delivery, network performance, and incident response efficiency.
- Coordinated with vendors and service providers to implement infrastructure enhancements, firmware upgrades, and lifecycle management programs.
- Supported Azure and Google Cloud networking initiatives including hybrid connectivity, virtual networking, and cloud security integration.
- Directed network capacity planning, performance monitoring, and disaster recovery readiness initiatives.

WORLD WIDE TECHNOLOGY

Network Engineer

Maryland Heights, MO | Feb 2010 - Jan 2016

- Deployed and supported Cisco Catalyst 9300/9400 switches, Cisco Nexus platforms, and Cisco ISR routers within enterprise environments.
- Implemented and maintained routing and switching protocols including BGP, OSPF, EIGRP, MPLS, HSRP, QoS, STP, and VLAN architectures.
- Supported enterprise wireless deployments utilizing Cisco WLC, Cisco DNA Center, Aruba WLAN, and 802.11 standards.
- Configured and managed Cisco, Palo Alto, Fortinet, Juniper SRX, and Cisco Secure Firewall platforms.
- Built and deployed plug-and-play network racks integrating Cisco, Dell, and HP server technologies for enterprise customers.
- Performed network troubleshooting, root cause analysis, and performance optimization for critical business services.
- Implemented site-to-site VPN and remote-access VPN solutions supporting secure business communications.
- Managed Juniper EX Series and Ciena switching environments, improving network stability and availability.

- Supported Azure networking initiatives including Load Balancers, Application Gateways, VNets, Azure Firewall, and hybrid connectivity solutions.
- Automated infrastructure deployments and configuration management using Terraform and ARM templates.
- Utilized Azure Monitor, Network Watcher, and SIEM integrations to enhance monitoring, visibility, and security operations.
- Participated in enterprise data center buildouts, infrastructure migrations, and network modernization projects.

Education:**Bachelor of Computer Science**

ITT Technical Institute | St. Louis, MO | 2007 - 2010

High School Diploma

Montclair High School | Montclair, CA | 1991 - 1995

Professional Development:**Project Management Certificate**

Grow with Google | 2024 - 2025

Certification:

- COMPTIA A+
- COMPTIA NETWORK+
- COMPTIA SECURITY+
- CISCO CERTIFIED NETWORK ASSOCIATE (CCNA)