

ALI MUSTAFA HUSSAIN

Network Engineer | SD-WAN & Security Specialist

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PROFESSIONAL SUMMARY

Results-driven Network Engineer with 8+ years of progressive experience designing, implementing, and optimizing complex multi-site enterprise networks. Specialist in SD-WAN migrations (VeloCloud, Aruba/Silver Peak, Meraki), Cisco full-stack environments (Catalyst, Meraki, ISE, DNAC, WLC), next-generation firewalls (FortiGate, Palo Alto), and hybrid cloud networking with Microsoft Azure. Proven success leading high-availability deployments using Azure Route Server and BGP, troubleshooting global production issues, and delivering secure, scalable solutions across international sites in India, UK, Brazil, Netherlands, Australia, and China. Strong collaborator with excellent diagnostic, documentation, and stakeholder communication skills.

CORE TECHNICAL SKILLS

HARDWARE YOU WORK WITH DAILY

Cisco Catalyst switches (various models including stacks) • Cisco Wireless LAN Controllers (WLCs) • Full Cisco Meraki stack (MX Security Appliances, MS Switches, MR Access Points, MV Cameras, MT Sensors, vMX, Dashboard) • FortiGate firewalls (various models) • Palo Alto firewalls • Aruba SilverPeak / EdgeConnect appliances • VeloCloud SD-WAN Edge devices • HPE Aruba SD-WAN components • Kyocera/HP multifunction printers, • SolarWinds monitoring infrastructure

SOFTWARE, PLATFORMS & TOOLS

Cisco Catalyst Center (DNAC) • Cisco ISE (Identity Services Engine) • Meraki Dashboard (full management) • FortiOS / FortiGate management • Palo Alto firewall management (incl. Panorama) • Aruba Orchestrator • VeloCloud Orchestrator (VCO) • Microsoft Azure (VNETs, Route Server, BGP, networking portal) • SolarWinds (NPM & inventory modules) • 3CX VoIP/PBX administration • CLI across Cisco IOS, Meraki, FortiGate, Palo Alto • Log analysis, show/debug commands, packet capture (pcaps)

KEY SKILLS & DAILY ACTIVITIES

Multi-site enterprise network operations, migrations & optimization (international sites) • SD-WAN design, migration & operations (VeloCloud + Aruba/HPE) • Routing & switching troubleshooting and configuration (BGP, VLANs, interface issues, CDP) • Wireless networking (Meraki + Cisco WLC, 802.1X auth, site surveys, AP management) • Network security & firewall operations (FortiGate + Palo Alto log/policy analysis, SSL-VPN) • Cloud networking integration (Azure VNet + SD-WAN with BGP/Route Server) • Monitoring, alerting & inventory (SolarWinds) • Configuration standardization, firmware upgrades, licensing/procurement, bulk operations & compliance • 3CX VoIP

PROFESSIONAL EXPERIENCE

Network Engineer

Nov 2024 – Jun 2025

Microland Limited | Hyderabad, India

- Spearheaded end-to-end Meraki Migration project: Transitioned hub-and-spoke topology from on-premises MX450 hubs at Internet Breakout Offices to dual high-availability Meraki vMX appliances in Microsoft Azure (separate VNETs).
- Designed and implemented separate Wireless templates with distinct RADIUS servers for authentication, enhancing network security and centralized user management.
- Created a complete test Meraki organization (2x vMX + spoke MX) that fully mirrored production, enabling rapid, risk-free design validation.
- Ensured high availability for Meraki vMX by deploying Microsoft Azure Route Server and establishing BGP peering between Palo Alto firewalls, Azure Route Server, and the Meraki vMX appliances.
- Collaborated with migration teams to troubleshoot outages, misconfigurations, and complex issues with minimal disruption during cutover.
- Post-migration validation of all sites: verified connectivity, application access, VPN stability, RADIUS authentication, and DNS using Meraki Dashboard; performed deep diagnostics with packet captures and logs.
- Documented processes and configurations, contributing to reusable SOPs for future migrations.

Senior Technical Support Engineer

Apr 2024 – Jul 2024

Miles IT | Hyderabad, India

- Diagnosed and resolved complex technical issues across hardware, software, and networking domains; minimized downtime and improved user satisfaction.
- Communicated technical solutions clearly to users of varying proficiency levels; built strong relationships with clients and internal stakeholders.
- Contributed to support process improvements that enhanced efficiency, standardization, and reduced ticket resolution times.
- Mentored junior team members and actively participated in knowledge-sharing initiatives.

Network Engineer

Jan 2021 – Dec 2023

Rayven IT Solution Pvt. Ltd. — Client: Dorel Sports / PonBike | Hyderabad, India

- Designed and implemented multi-site network infrastructure (routers, switches, firewalls); coordinated upgrade projects that delivered approximately 20% increase in network efficiency.

- **Cisco Meraki:** Deployed and managed the full Meraki portfolio (MX, MS L2/L3 including MS320/350/250 stacks, MR APs, MV cameras) via Dashboard. Configured OSPF on Layer-3 switches. Troubleshot switch stacks, Auto VPN, and hybrid VPNs (ASA, Palo Alto, UniFi). Owned issues end-to-end; performed Wireshark analysis; maintained SOPs.
- **VeloCloud SD-WAN:** Deployed Edges at multiple branches; migrated legacy MPLS to VeloCloud achieving bandwidth optimization and cost savings. Implemented centralized policies via Orchestrator, dynamic path selection, ZTP, and application-aware routing. Used analytics and path monitoring for SLA compliance and multi-pathing HA.
- **FortiGate Firewalls:** Configured SSL-VPN with local + RADIUS authentication. Established LAN DHCP/DNS and WAN interfaces. Deployed BGP in multi-site topology (Shanghai hub → Shenzhen, Kunshan, Tianjin spokes). Managed firmware, policies, IPS, and web filtering to security standards.
- Diagnosed wireless, security, switching, phone, camera, and other network issues; communicated effectively with partners and customers; trained internal stakeholders on SD-WAN benefits.

Junior Network Analyst

Jan 2019 – Jan 2020

Savantis India Pvt. Ltd. — Client: Dorel Sports | Hyderabad, India

- Conducted routine network monitoring and troubleshooting to ensure optimal performance and minimize downtime.
- Collaborated with senior analysts to plan and implement network upgrades and expansions improving reliability and scalability.
- Assisted in configuration and installation of routers, switches, and firewalls; provided prompt end-user network support.

IT Support / Service Desk / Desktop Support Roles

2015 – 2019

Uclid IT Services, GSS Infotech, IBM India (Carphone Warehouse / Dixons), Amazon India | Hyderabad

- Progressed through service desk, desktop support, and IT/network support roles supporting US- and UK-based voice processes. Administered Active Directory (users, groups, OUs, security groups, distribution lists). Handled imaging, basic wired/wireless networking, Outlook, VPN, multi-brand printers, and hardware replacement coordination within ITIL environments.

Junior Accountant

Feb 2011 – Dec 2014

Focus Softnet Pvt. Ltd. | Hyderabad, India

- Managed accounts payable and receivable processes, including voucher preparation, ledger and journal entries, invoice verification against payments, and bank reconciliation statements.
- Maintained basic books of accounts and supported the implementation of improved accounting procedures and processes.
- Performed general office administration duties including filing, scanning, mail processing, and data entry.

EDUCATION

Bachelor of Commerce (B.Com)

University of Madras, Chennai | 2004 – 2007

SOFT SKILLS

Problem-Solving & Root-Cause Analysis • Cross-Functional Collaboration • Technical Communication to Non-Technical Stakeholders • Leadership & Mentorship of Junior Engineers • Project Coordination & Change Management • Client Relationship Management • Documentation & SOP Development