ANTONIO BOWDEN

Senior Network & Security Engineer

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SUMMARY

Network and security engineer with 5+ years in healthcare and multi-site MSP environments, including HIPAA-regulated clients. Core work is Cisco and Fortinet networks, firewall policy and segmentation, Azure AD and Microsoft 365 access control, and incident response and vulnerability remediation. Current work covers 50+ client sites, with server troubleshooting, emergency onsite response, and PowerShell automation.

SKILLS

Networking: Cisco routers and switches, LAN/WAN/VLAN design, network segmentation, BGP, OSPF, VPN/IPsec, WireGuard VPN, DHCP, DNS, Ubiquiti UniFi wireless

Security: Fortinet and Palo Alto firewalls, firewall policy standardization, access control, incident response, vulnerability remediation, HIPAA, SOC 2, ITIL

Identity & Cloud: Azure Active Directory, Hybrid AD, Active Directory, Microsoft 365

Systems & Hardware: Windows Server, Windows 10/11, VMware ESXi, Microsoft Hyper-V, Dell OpenManage, PERC RAID controllers, VoIP/PBX

Automation & Tools: PowerShell, Bash, ServiceNow, ConnectWise

EXPERIENCE

Senior Network & Security Engineer | Advantage Technologies

February 2022 – Present

- Standardized Fortinet firewall, VPN, wireless, and segmentation policies across multiple multi-site healthcare clients, supporting HIPAA-aligned compliance.
- Led incident response, vulnerability remediation, and root cause analysis for network, infrastructure, and cloud security issues.
- Administered Azure AD, Hybrid AD, and Microsoft 365 for 200+ users across managed tenants, including identity management, access control, and security policy enforcement.
- Designed, deployed, and supported Cisco LAN/WAN/VLAN infrastructure across multi-site client environments.
- Support 50+ client sites, each with 12–25 workstations, 1 server, and 2 VMs, resolving about 15 tickets per day, most within 30 minutes.
- Responded to about 5 emergency tickets per day, mostly remote, and about 1 onsite emergency per week, restoring service within the first hour onsite and avoiding a full day of downtime.
- Led a 10-practice server and clinical data migration on a 3-day plan — day 1 cutover and onboarding, day 2 testing, day 3 follow-up — with zero unplanned downtime, including imaging and CBCT/Vatech data moved to redundant hosts.
- Completed 30+ Ubiquiti UDM installs with WireGuard VPN, site-to-site VPN, and VLAN setup.
- Diagnosed server failures with Dell OpenManage, checking PERC adapter settings, ruling out storage hardware faults, and enabling controller cache for performance issues.
- Built PowerShell automation for baseline configuration, client onboarding, reporting, and backups, saving about 2 hours per use.

Independent Contractor | Field Nation and WorkMarket

January 2026 – Present

- Completed mid-tier business setups on Cisco, Fortinet, and Palo Alto with BGP/OSPF, plus access point installs and swaps, rack work, and low-voltage cabling for retail, office, and clinic sites.
- Closed out every job the same day with testing, photos, and results, and handled POS, printer, and desktop refreshes, including after-hours retail cutovers.

Field Technician | AdventHealth

September 2021 – December 2021

- Supported network devices and clinical technology across hospital and outpatient facilities.
- Performed Layer 1–3 diagnostics, cable tracing, switchport verification, and connectivity testing for clinical endpoints.
- Assisted network and systems engineers with infrastructure refreshes, switch deployments, and VLAN validation.
- Provisioned endpoints, joined devices to Windows domains, supported VPN access, and administered user accounts while maintaining HIPAA compliance.

Field Technician | Orlando Health

February 2021 – August 2021

- Supported workstations, network infrastructure, telecommunications, and clinical systems across hospital departments.
- Executed Epic Technical Dress Rehearsal (TDR) test scripts to validate workflows and end-user readiness before go-live.
- Performed switchport validation, patch panel terminations, cable tracing, and hardware installs for hospital-wide rollouts, and documented issues and remediation steps under ITIL practices.

EDUCATION

B.S. Cloud and Network Engineering (Azure Track) | Western Governors University
Started February 2025 | Expected 2027

CERTIFICATIONS

- Cisco Certified Network Associate (CCNA) – In progress, target December 2026
- CompTIA Security+ – In progress, target January 2027
- Google IT Support Professional Certificate