

Julio Alvarado

Senior Network & Infrastructure Engineer

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Certifications

Network+, CCNA, MCITP, NSE4

Professional Summary

Senior IT Infrastructure and Network Engineer with 20+ years of experience designing, implementing, securing, and supporting enterprise network environments across government and private industry. Expertise includes Cisco networking, Fortinet, Palo Alto, Windows Server, Microsoft 365, Active Directory, VPN technologies, Azure MFA, and enterprise firewall administration. Proven experience leading infrastructure modernization projects, supporting mission-critical systems, and solving complex networking challenges.

Core Competencies

- Enterprise Networking: Cisco ASA, Routing & Switching, LAN/WAN, TCP/IP, DNS, DHCP, NAT, VPN/IPSec
- Security: Fortinet, Palo Alto IPS, Firewall Administration, Network Security
- Microsoft: Windows Server, Active Directory, Microsoft 365, Azure MFA, Hyper-V
- Infrastructure Planning, Wireless Networking, Technical Troubleshooting, Project Coordination

Professional Experience

State of Arkansas – Bureau of Legislative Research

IT Network Infrastructure Specialist | Dec 2023–Present

- Lead planning and coordination of Microsoft 365 deployment initiatives.
- Coordinate Fortinet ZTNA implementation integrated with Azure Multi-Factor Authentication.
- Plan deployment of Extreme Networks wireless access points and switching infrastructure.
- Troubleshoot enterprise network, server, and security infrastructure.
- Support Windows Server, Active Directory, Microsoft 365, and enterprise networking technologies.

State of Arkansas – Department of Information Systems

Firewall Specialist | Jan 2020–Dec 2023

- Supported and maintained over 300 Cisco ASA firewalls.
- Administered Palo Alto Intrusion Prevention Systems.
- Worked with vendors and cybersecurity teams on statewide security initiatives.

- Trained and mentored new technical staff.

Previous Experience

| 2003–2020

- Network Administrator, Infrastructure Engineer, IT Administrator, Consultant, and Electronic Technician roles across government and private industry.
- Designed, implemented, and supported Windows Server, Active Directory, Cisco networking, wireless infrastructure, Exchange, and enterprise LAN/WAN environments.

Education

New Horizons Computer Learning Center – MCITP Program (Network+, CCNA, MCTS, MCSA coursework)

University of Miami – Computer Science Studies

Nova Southeastern University – Computer Science Studies

ATI Technical Career Training Center – Associate Degree in Electronic Engineering