

# Aja D. Burns

## Network Engineer II

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### PROFESSIONAL SUMMARY

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Security-focused infrastructure engineer with 13+ years of experience designing, securing, and modernizing enterprise networks in large-scale, multi-site environments. Background includes firewall architecture, segmentation, dynamic routing, vulnerability management, and cross-functional delivery with security, server, cloud, and operations teams. Trusted to lead resiliency initiatives and turn technical risk into practical engineering decisions.

### CORE STRENGTHS

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- Security architecture, infrastructure hardening, and defense-in-depth thinking
- Firewall platforms: Palo Alto, Fortinet, Cisco ASA
- Routing and segmentation: BGP, EIGRP, OSPF, VRFs, GRE
- Enterprise resiliency, WAN modernization, and redundancy design
- Cross-functional collaboration, documentation, and technical leadership

### PROFESSIONAL EXPERIENCE

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#### Network Engineer II

Jul 2024 - Present

*United Wholesale Mortgage - Pontiac, MI*

Cisco | Palo Alto | Cisco CML | MegaPort

- Design and support enterprise network architecture across campus and co-location environments with a focus on resiliency, segmentation, and routing across multiple domains.
- Built Cisco CML lab models that mirror production topologies, reducing implementation risk by validating design changes before deployment.
- Helped define IP addressing strategy for multiple VRFs and implemented routing architectures using iBGP, EIGRP underlay, and dot1q encapsulation.
- Partnered with security stakeholders to implement dynamic routing on Palo Alto firewalls and improve connectivity across security boundaries.
- Support third-party cloud connectivity through MegaPort and other complex routing integrations tied to business-critical services.

#### Network Engineer I

Dec 2021 - Jul 2024

*United Wholesale Mortgage - Pontiac, MI*

Cisco | Palo Alto | Noction IRP | NetBox

- Collaborated with peer engineers and architects to design, implement, and support complex network infrastructure across campus and co-location facilities.
- Led a major resiliency initiative to create building independence and establish multi-building internet redundancy.
- Led WAN optimization rollout with Noction across DIA circuits and directed replacement of rack-to-rack MPO fiber while using NetBox to document end-to-end layer 1 connectivity.

#### Network Security Engineer

Jul 2019 - Dec 2021

*Motherson / PKC Group - Farmington Hills, MI*

Cisco | Fortinet | Aruba | Tenable Security Center | FortiManager

- Designed and maintained secure network connectivity across multiple sites in the United States and Mexico.
- Used Tenable Security Center to review threat and vulnerability data, support remediation priorities, and strengthen security posture.
- Led FortiManager implementation to improve firewall policy management, compliance, and administrative consistency.

#### Network Engineer

Jan 2018 - Apr 2019

*Koch Business Solutions - Wichita, KS*

Cisco | Viptela | F5

- Supported network integration and modernization initiatives related to the Koch acquisition of Guardian Industries.
- Integrated SRG Global's international network into a non-overlapping IP model and helped implement Viptela SD-WAN across sites using MPLS and public internet connectivity.

### Network Engineer

Oct 2016 - Jan 2018

SRG Global / Guardian Industries - Troy, MI

Cisco | Zscaler | AWS

- Served as lead engineer for a global network spanning 27 sites and supported both infrastructure refreshes and new-facility deployments.
- Planned datacenter migration to a new headquarters building while managing network, unified communications, and firewall platforms.

### Network Administrator

Apr 2013 - Oct 2016

AE&E Corporation - Livonia, MI

Cisco | HP | Open-E | Windows Server | Exchange | Hyper-V

- Provided network and server support for multiple businesses across Metro Detroit.
- Led creation of redundant SAN infrastructure with Windows Server Cluster Manager, Hyper-V, and a multi-tenant Exchange environment.

### Technical Support Specialist

Nov 2011 - Apr 2013

Barracuda Networks - Ann Arbor, MI

Barracuda Spam & Virus Firewall | SSL/VPN | Linux

- Provided remote backend Linux support and assisted customers with deployments and troubleshooting involving email server and firewall configurations.

## EDUCATION

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### MBA, Information Systems Management

Detroit, MI | 2023

Wayne State University

### BS, Networking & Information Systems Administration

Ypsilanti, MI | 2012

Eastern Michigan University

## CERTIFICATIONS

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- CCS Enterprise Core (350-401), June 2024
- CCNA (200-301), October 2022

## SELECTED TECHNOLOGIES

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Cisco Catalyst/Nexus | Palo Alto | Panorama | Fortinet | FortiManager | Tenable Security Center | Noction IRP | NetBox | Cisco CML | MegaPort | SD-WAN | MPLS | IPsec | ClearPass | AWS