

Chase WJ Driscoll

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Technical Skills

Network Architecture: BGP, OSPF, EIGRP, EVPN, VRF, ECMP, SD-WAN, QoS, multicast, 802.1X/MAB, NAC, ZTP, HA, segmentation

Platforms: Cisco Catalyst / IOS-XE, Meraki, Catalyst Center, Fortinet FortiGate, Palo Alto Networks, RUCKUS, Aruba Central

Automation & Systems: Python, Ansible/AWX, Terraform, GitLab CI/CD, NetBox, REST APIs, NETCONF/YANG, RESTCONF, Linux, Proxmox VE, VMware vSphere/vSAN, Docker, Kubernetes

AI & Observability: Local LLM inference, MCP, agentic workflows, LibreChat, LiteLLM, Prometheus, Grafana, Loki, Elasticsearch, SNMP/telemetry

Experience

Network Architect - SONIFI Solutions, Inc.

Oct. 2025 - Present

- Define network architecture, reference designs, and engineering standards across 5,400+ property networks and 100,000+ managed devices, spanning routing, switching, wireless, WAN/SD-WAN, firewall policy, addressing, platform selection, and lifecycle strategy.
- Co-architected automated configuration governance for 100,000+ network devices, combining daily state capture, hierarchical golden-standard validation, drift detection, ticketing, investigation workflows, and automated remediation.
- Designed automated 802.1X/MAB access-layer provisioning with centralized device classification and authorization, deployed across approximately 95% of the 5,400+ property estate.
- Co-architected a custom zero-touch provisioning platform with software engineering that has provisioned tens of thousands of switches using device-identity-bound configurations and automated onboarding through Aruba Central, Cisco Catalyst Center, and Meraki.
- Solely architected SONIFI's selective LTE failover design for telephony-enabled properties, maintaining VoIP and emergency-service continuity through multi-circuit WAN failures while suppressing noncritical traffic over constrained cellular links.
- Led adoption of Palo Alto Networks for Marriott deployments, performing hands-on platform evaluation, integrating the platform into internal systems, and defining configuration standards and deployment methodology alongside the existing Fortinet estate.
- Engineer vulnerability remediation across the 5,400+ property estate, assessing scanner findings, defining remediation for network and security platforms, and automating large-scale fixes across firewalls, routers, switches, and wireless infrastructure.
- Serve as a technical architecture resource to SONIFI's AI Council, translating operational requirements into AI system designs, tooling strategies, security controls, integrations, and implementation plans.

Network Engineer II - SONIFI Solutions, Inc.

Oct. 2024 - Oct. 2025

- Led end-to-end implementation of approximately 30-40 property network deployments and cutovers, translating approved designs into production configurations, coordinating implementation, sequencing migrations, validating services, and resolving deployment issues.
- Served as the remote technical lead for onsite installation teams, directing physical implementation, device turn-up, configuration, migration sequencing, cutover activities, and post-change validation across geographically distributed properties.
- Led a zero-site-wide-outage network integration for a 2,000+ room independent hotel in Canada, merging administrative and guest environments across approximately 60-70 switches, thousands of access points, highly available WAN/firewall infrastructure, and strict segmentation while limiting disruption to brief endpoint-level cutovers.
- Performed hands-on deployment troubleshooting across routing, switching, wireless, WAN, firewall, addressing, and client-connectivity domains, validating end-to-end behavior and resolving technical issues during high-impact production migrations.

Experience

Senior Network Engineer - Windsor Sales Inc.

Feb. 2019 - Oct. 2024

- Architected a routed-access enterprise network using Layer 3 to the access layer, EIGRP, ECMP, and VRF segmentation; established global IP addressing, naming, segmentation, and high-availability standards across the multi-site environment.
- Designed and deployed a six-node all-flash VMware vSAN platform supporting approximately 150 virtual machines and all business-critical workloads over a 40 Gb fabric, with ownership of compute, storage, HA, monitoring, and lifecycle management.
- Built infrastructure automation and operational tooling with Ansible, standardized configuration practices, centralized monitoring/alerting, and a Wiki.js knowledge platform to improve repeatability and visibility.

Network Operations Engineer - Apogee Enterprises

Feb. 2017 - Feb. 2019

- Led end-to-end redesign and migration of two 500,000+ sq. ft. 24/7 manufacturing campuses, engineering LAN/wireless architecture, hardware strategy, IP addressing, migration sequencing, rollback plans, vendor coordination, and tightly controlled production cutovers.
- Supported enterprise WAN modernization and acquisition onboarding through site migrations, carrier turn-ups, routing and IP changes, data-center networking, and VMware HCI connectivity across a multi-site environment.

Network Infrastructure Technician - MetaBank (now Pathward Financial, Inc.)

May 2016 - Feb. 2017

- Supported enterprise network engineering activities including a Nexus 7000 campus core migration and high-speed backbone operations; developed scripts and documentation to accelerate Cisco IP phone provisioning and deployment.

Network Administrator Intern - Workplace IT Management

Apr. 2015 - Apr. 2016

- Supported infrastructure across an MSP client base of 140+ organizations, working with networking, Active Directory/domain services, physical and virtual servers, storage/RAID, endpoint deployment, and general infrastructure troubleshooting.

Independent Engineering

SpyderColo - Independent Infrastructure & AI Platform

2019 - Present

- Personally architect, fund, build, automate, and operate an enterprise-style environment comprising 12 compute servers, 2 storage systems, 160+ CPU cores, 2 TB RAM, approximately 450 TB HDD and 60 TB flash storage, plus GPU and Apple Silicon inference infrastructure.
- Designed a fully routed 40/100 Gb architecture using a FortiGate 100F edge, Cisco Nexus 93180LC-EX core, and Catalyst 9300 access layer with EIGRP, ECMP, routed access, segmentation, DMZs, VLANs, and ACL-based policy controls.
- Operate advanced Linux, Proxmox, VMware, Docker, and Kubernetes infrastructure with Ansible, GitLab CI/CD, configuration templates, automated VM provisioning/configuration, and NetBox as infrastructure source of truth.
- Built a private AI platform with dual NVIDIA A100 80 GB inference workers, Mac Studio inference nodes and Thunderbolt 5 multi-node clustering, local model serving, custom MCP tooling, and a closed-loop agentic development system using local coding models with frontier-model review and automated revision cycles.

Education & Certification

Certified Wireless Network Administrator (CWNA) - CWNP

Active through Jan. 2028

Credential ID 554583

Associate of Applied Science, Network Engineering - Southeast Technical Institute

2016