

# JUSTIN K. BOWDEN

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## SUMMARY

Network Engineer I with hands-on contract experience executing enterprise change management for routing, switching, firewall, and hybrid-cloud connectivity changes. Comfortable owning a change end-to-end — design, MOP authorship, CAB presentation, and post-change verification. Actively deepening SD-WAN expertise to grow into broader WAN architecture work.

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## TECHNICAL SKILLS

**Routing & Switching:** Cisco IOS/IOS-XE, OSPF, EIGRP, BGP fundamentals, VLANs, 802.1Q trunking, HSRP

**Security:** Palo Alto Networks NGFW, Cisco Firepower, IPsec site-to-site VPN, security policy hardening

**Cloud & Hybrid Connectivity:** AWS (VPC, site-to-site VPN), hybrid on-prem/cloud network design

**Directory & Name Services:** Windows Server DHCP, Active Directory integration, DNS

**SD-WAN (in progress):** Cisco Viptela/SD-WAN architecture, underlay/overlay design, self-directed lab study

**Process & Documentation:** Change management (MOP authorship, CAB presentation), backout planning, network diagramming (Visio)

**Certifications:** CCNA (in progress), CompTIA Security+ (in progress)

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## PROFESSIONAL EXPERIENCE

### Network Engineer I

Mar 2026 – Present

Aston Technologies (Contract)

Remote / Multiple Client Environments

- Own end-to-end execution of enterprise change management (MOP/CAB) for network infrastructure changes, authoring implementation plans, backout procedures, and verification/test plans reviewed at Change Advisory Board
- Migrated DHCP services from Cisco router-based pools to centralized Windows Server DHCP integrated with Active Directory and DNS across a multi-site enterprise VLAN environment, including helper-address reconfiguration and failover setup
- Implemented HSRP-based default gateway redundancy to remove single points of failure at the network edge
- Authored and executed CAB documentation for Palo Alto Networks firewall changes, including site-to-site IPsec VPN builds and security policy updates
- Managed Cisco Firepower change requests as part of ongoing network security hardening initiatives
- Designed and documented hybrid on-prem/AWS connectivity (site-to-site VPN), including network diagrams and implementation MOPs for cloud-connected environments

### Junior Systems Admin

Jan 2025 – Jan 2026

Odessa Realty

Atlanta, GA

- Automated server backup and database processes, reducing manual configuration time by 40% and eliminating downtime incidents
- Configured and maintained internal software systems for 20+ employees, implementing proactive monitoring to prevent operational delays

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## PROJECTS

- **Multi-Site SD-WAN Lab (Cisco Viptela)** — Built and documented a simulated Cisco SD-WAN environment (vManage/vSmart/vEdge) with a full IP addressing plan, to build hands-on SD-WAN expertise beyond production change work

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## EDUCATION

B.S., Information, Communication & Technology (ICT)

Dec 2024

Florida State University