JAMES (DANNY) VAUGHAN

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PROFESSIONAL SUMMARY

Network and electrical engineer with 8+ years of experience designing and operating IP networks in critical infrastructure and production environments.

EDUCATION & SPECIALIZED TRAINING

Certifications: CCNA, CCNP, EIT

University of Colorado Boulder — Professional Master of Network Engineering

- IP Routing Protocols & Policies: In-depth study of BGP, OSPF, EIGRP, and RIP
- Network Management & Automation: Ansible, NETCONF, Python, Netmiko, NAPALM, Jenkins
- Enterprise Networks: Routing and switching, VPNs, MPLS, IPv6 deployment strategies
- Software Defined Networks

Metropolitan State University of Denver — B.S. in Electrical Engineering Technology
Graduated: May 2018 | Concentration: Power and Control Systems

PROFESSIONAL EXPERIENCE

Ulteig Engineers Inc. — Greenwood Village, CO
Engineer | May 2017 – Present

Network Operations, Network Design & Electrical Design

- Provide ongoing network operations support for renewable energy infrastructure, ensuring reliable communications across multiple sites
- Design and implement IP networks using industry best practices and security segmentation
- Configure and manage Cisco/Arista network equipment including switches, routers, and firewalls
- Implement secure site-to-site VPN solutions enabling real-time operational data transfer
- Develop Python scripts to automate routine network configuration tasks and monitoring
- Configure and integrate SCADA systems with network infrastructure to support remote monitoring
- Created electrical design for utility projects including single line diagrams, three line diagrams, schematics, wiring, and material lists

Field Commissioning

- Led network equipment installation and testing for Greenfield and brownfield projects
- Performed troubleshooting of network devices and communications infrastructure
- Commission integrated systems including network equipment, high-voltage switchgear, and UPS/DC power systems