

Elizabeth Goodson

Professional Experience

Lightpath Fiber, Washington, DC (2024 – Current)

Director, Data Network Planning & Solutions (2026 – Current)

Sr. Manager, Data Network Planning & Solutions (2024 – 2026)

- Responsible for high-level network design and strategic planning for data and voice networks and products
- Direct cross-functional team of eight engineers while personally leading multiple network development projects and contributing solutions and feedback on other projects
- Evaluate and integrate new technologies to improve network performance and capabilities
- Develop and document network policies, standard models and configurations
- RFP/RFI, test, certify, and operationalize new hardware and software
- Collaborate with internal teams to translate product requirements into scalable, cost-effective solutions
- Run point on network expansion and migration projects and key customer initiatives

Crown Castle / Lighttower Fiber Networks, Washington, DC (2012 – 2024)

Principal Architect (2017 – 2024), Architect (2014 – 2017), Sr. Engineer (2012 – 2014)

- Developed and published standards for IP/MPLS backbone, aggregation, and access network architectures; Internet and Ethernet product service designs; IP address allocation and routing policies
- Managed complete lifecycle for new product offerings, technologies, hardware platforms, and vendor onboarding, including business case, RFP, design, documentation, proof of concept and systems integration testing, and internal training
- Designed changes to existing networks to sustain their useful life, mitigate chronic issues, optimize capacity, and reduce operational expenses
- Lead network integration efforts for multiple mergers and acquisitions and network expansion from Northeast regional to national footprint
- Provided mentorship and thought leadership for Network Planning and Engineering organizations

Dominion Resources, Richmond, VA (2011 – 2012)

Sr. Network Analyst (2011 – 2012)

- Planned, configured, and deployed routers, switches, wireless controllers, and wireless access points
- SME for policies, procedures, and evidence required to meet regulatory compliance requirements
- Provided advice and technical assistance to less experienced engineers

PAETECH / Cavalier Telephone, Richmond, VA (2006 – 2011)

Network Engineer (2010 – 2011)

- Responsible for the design, implementation, and ongoing maintenance of the IP/MPLS backbone and evaluation of new equipment solutions, including hands-on lab testing
- Configured, deployed, and upgraded core and edge routers and switches
- Automation scripting for network element management, backups, and tracking

Network Technician (2008 – 2010)

- Tier 3 escalation for Internet, MPLS and VoIP customer troubles from NOC and provisioning groups
- Configured, deployed, and upgraded DSLAMs and Ethernet over Copper and EoTDM access equipment
- Automation scripting for network element management, backups, and tracking

Lead Support Technician (2006 – 2008)

- Resolved escalated and complex customer troubles and network events related to data and voice services, including: DS1, DS3, DSL, Dial-Up, EoC, EoTDM, ISDN, IPTV, VoIP, hosting, dial tone and voice features
- Developed documentation and training and provided technical assistance to technicians and supervisors

Volunteer Leadership

HacDC Amateur Radio Club Inc. “W3HAC” (2024 – Current)

President and Member of Board of Directors (2024 – Current)

- W3HAC is the only open membership amateur radio club in the District of Columbia and is organized as a 501(c)3 nonprofit corporation
- Responsible for all business affairs of and providing leadership for W3HAC
- Organize board and general members meetings and club events
- Maintain W3HAC VHF and UHF repeater stations

American Radio Relay League (2021 – Current)

ARES Emergency Coordinator for the District of Columbia (2021 – Current)

- Provide leadership for Washington, DC Amateur Radio Emergency Services (ARES) organization
- Manage and coordinate training, organization, and emergency participation of amateur radio operators
- Establish working partnerships with government agencies and private organizations in Washington, DC to provide experienced volunteer communications services