

# Elizabeth Goodson

## Professional Experience

### **Crown Castle / Lightower Fiber Networks, Washington, DC (2012 – Current)**

*Principal Architect (2017 – Current)*

*Architect (2012 – 2017)*

- Develop and publish standards for IP/MPLS backbone, aggregation, and access network architectures; Internet and Ethernet product service designs; IP address allocation and routing policies
- Manage 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
- Design 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
- Provide 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

### **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 governmental agencies and private organizations in Washington, DC to provide experienced volunteer communications services