

Rachel Simmons

Optical network engineer with 10+ years of experience in **designing, deploying, and maintaining fiber-optic and DWDM (Dense Wavelength Division Multiplexing) systems** for telecommunications and enterprise networks. Adept at **enhancing network efficiency, minimizing signal loss, and ensuring ultra-low latency connectivity.**

PROFESSIONAL EXPERIENCE

- **Senior Optical Network Engineer, FiberLink Technologies, Atlanta, GA**
August 2016 – Present
 - Designed and deployed **nationwide DWDM networks** to support high-speed data transmission for Tier 1 ISPs, increasing bandwidth by **50%**
 - Conducted **optical signal integrity analysis**, reducing signal degradation and improving overall transmission efficiency by **30%**
 - Led a team in migrating legacy SONET systems to **next-gen optical transport networks (OTN)**, enhancing network scalability
 - Collaborated with **ISP and enterprise clients** to optimize fiber routes and integrate **SD-WAN solutions**.
- **Optical Network Specialist, Telco Solutions, Atlanta, GA**
June 2012 – July 2016
 - Assisted in the deployment of **multi-vendor optical transport systems**, improving interoperability across networks
 - Conducted routine **fiber characterization and OTDR testing**, reducing outage response times by **25%**
 - Developed SOPs for **fiber maintenance and troubleshooting**, streamlining field operations

CERTIFICATIONS

- Cisco Certified Optical Specialist (CCOS)
- Nokia Optical Network Certification (ONC)

CONTACT

- (123) 456-7890
- email@example.com
- LinkedIn | Portfolio
- Atlanta, GA

EDUCATION

Bachelor of Science Electrical Engineering
Georgia Institute of Technology

KEY SKILLS

- Fiber-optic network design and deployment
- DWDM and OTN (Optical Transport Network) implementation
- Optical signal integrity analysis
- MPLS and SDN integration
- Network performance optimization