

Caden Collier

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SUMMARY

Results-driven Optical Network Engineer with over 4 years of extensive experience in network operations and support, specializing in deployment and management of DWDM technologies. Proven expertise in troubleshooting optical systems, complemented by a strong foundation in network analysis. Skilled in utilizing advanced optical planning tools and methodologies to enhance network performance and reliability. Adept at collaborating with cross-functional teams to deliver optimal optical solutions that meet business needs. Eager to leverage knowledge and skills in new challenges, ensuring continuous improvement in the optical networking space.

EXPERIENCE

Optical Network Engineer

April 2022 - Present

OptiWave Solutions

Seattle, WA

Oversaw large-scale DWDM networks deployment, ensuring excellent operational performance and customer satisfaction. Played a crucial role in network optimization using advanced modeling techniques.

- Led DWDM network deployments that improved bandwidth capacity significantly.
- Utilized optical modeling tools for configuration analysis, reducing latency.
- Troubleshot DWDM systems within strict service-level agreements; maintained uptime metrics.
- Collaborated on automation solutions, enhancing overall network efficiency.
- Maintained architecture documentation to comply with industry standards.
- Trained junior engineers on fundamentals of optical networking and best practices.

Network Engineer

January 2020 - March 2022

FiberNet Technologies

Portland, OR

Managed projects for large-scale optical networks, fostering seamless infrastructure transformations. Excelled at analyzing network protocols to improve data traffic flow.

- Managed rollout of large-scale optical networks, integrating with existing systems.
- Analyzed performance leveraging BGP, OSPF protocols for traffic optimization.
- Enhanced optical transmission systems, boosting data transfer rates remarkably.
- Developed monitoring tools to enable proactive issue resolution.
- Coordinated stakeholder meetings for translating requirements into tech solutions.
- Contributed to cross-departmental initiatives aimed at improving network quality.

Junior Network Engineer

June 2018 - December 2019

Quantum Networks

Tacoma, WA

Supported deployment and upkeep of DWDM systems, achieving commitment to uptime and enhanced learning opportunities. Collaborated actively to welcome new advancements in optical technology.

- Assisted in deploying DWDM systems, increasing network capacity effectively.
- Conducted maintenance for optical lines, reaching high uptime targets.
- Provided support training for junior staff on networking protocols.
- Engaged in project documentation to facilitate team knowledge sharing.
- Steered training material development on optical troubleshooting strategies.

LEADERSHIP & AWARDS

- Certified Optical Network Professional (CONP) - 2026
- Cisco Certified Network Associate (CCNA) - 2025

EDUCATION

Bachelor's Degree in Telecommunications Engineering

2026

University of Washington GPA: 3.9

Seattle, WA

Coursework: Network Design, Optical Systems, Wireless Communications, Telecommunications Policy

CERTIFICATIONS

- Certified Optical Network Professional (CONP) 📅 2026

- Cisco Certified Network Associate (CCNA) 📅 2025

TECHNICAL SKILLS

- **Optical Technologies:** DWDM, SONET, Optical Planning Tools
- **Networking Protocols:** BGP, OSPF, TCP, IPv4, IPv6
- **Network Monitoring Tools:** NetFlow, SNMP, TACACS
- **Virtual Private Networks:** IPSec, VPN technologies
- **Transmission Systems:** OC3, OC48, DS1, DS3
- **Troubleshooting Techniques:** Latency Reduction, Uptime Optimization
- **Documentation Standards:** Technical Writing, Compliance Specifications
- **Automation Technologies:** Scripts, Monitoring Platforms
- **Quality Improvement Methods:** Continuous Integration, Process Optimization
- **Team Collaboration Tools:** Slack, Project Management Software

SKILLS

- | | | | |
|---------------------------|--------------------|--------------------------|----------|
| • Optical Networking | • Automation | • SONET | • TACACS |
| • DWDM Deployment | • Network Analysis | • Optical Planning Tools | • IPSEC |
| • Network Troubleshooting | • BGP | • IPv4 & IPv6 | • DNS |
| • Optical Transmission | • OSPF | • TCP | |

PROFESSIONAL AFFILIATIONS

- Member, Optical Networking Association - Since 2022
- Volunteer, STEM Outreach Program - 2021 to Present

LANGUAGES

- English (Native) • Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST