

Paul McBride

OCI Network Development Engineer Intern

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SUMMARY

Dedicated technology professional with over five years of experience in networking technologies and solutions. Proven expertise in developing automation and device management solutions. Skilled in Python and various network protocols including TCP/IP, BGP, and OSPF. Focused on enhancing network performance through proactive monitoring and automated processes. Strong communicator who values collaboration and is enthusiastic about mentoring junior engineers. Looks forward to contributing innovative ideas that will streamline operations and support organizational growth. Believes in fostering a supportive environment where everyone can excel.

EDUCATION

Bachelor's Degree in Computer Engineering

University of Wisconsin-Madison 🎓 GPA: 3.8 📅 2026 📍 Madison, WI

Coursework: Data Structures, Networking Fundamentals, Operating Systems, Automation and Scripting

TECHNICAL SKILLS

- **Scripting Languages:** Python, Perl, Bash
- **Network Protocols:** TCP/IP, BGP, OSPF, MPLS
- **Monitoring Tools:** Nagios, SolarWinds, PRTG
- **Ticketing Systems:** Jira, ServiceNow, Zendesk
- **Automation Frameworks:** Ansible, Puppet, Chef
- **Version Control Systems:** Git, SVN, Mercurial
- **Collaboration Platforms:** Slack, Microsoft Teams, Zoom
- **Cloud Services:** AWS, Azure, Google Cloud
- **Operating Systems:** Linux, Windows, macOS
- **Database Management:** MySQL, MongoDB, PostgreSQL

SKILLS

- Network Automation
- Python
- TCP/IP
- BGP
- OSPF
- Network Monitoring
- Jira
- Git
- Team Collaboration
- Incident Analysis
- Customer Service
- Technical Documentation
- Protocol Configuration
- Automation Strategies
- Systems Implementation
- Process Improvement

EXPERIENCE

Network Support Engineer

Fictitious Tech Company 📅 January 2024 - Present 📍 Madison, WI

This role focuses on network solution implementation and support aimed at minimizing downtime while ensuring optimal performance across systems. Primary responsibility involves providing technical guidance and support during complex network events.

- Developed and implemented network automation scripts, resulting in a significant reduction of manual intervention by 40%.
- Collaborated in the design and deployment of comprehensive network solutions, enhancing overall operational efficiency.
- Acted as the primary escalation point for advanced network issues, spearheading troubleshooting initiatives to reduce service interruptions.
- Conducted post-event analyses to identify roots of failure and drove corrective measures, substantially improving service reliability.
- Mentored junior engineers, enhancing their skills in network monitoring and practice, thus strengthening team capability.
- Coordinated effectively with cross-disciplinary teams to ensure seamless integration of new technologies into existing services.

Network Engineer

Fictitious Networking Solutions 📅 June 2021 - December 2023 📍 Green Bay, WI

Focused on delivering network infrastructure maintenance and support, ensuring maximum uptime for client systems through proactive strategies and hands-on training.

- Provided expert-level technical decision-making for network infrastructure, achieving outstanding client satisfaction with 99.9% uptime.
- Created informative dashboards for real-time network monitoring, which identified potential faults before escalations occurred.
- Implemented resolution strategies that reduced average incident response times by 25%, positively impacting customer experiences.
- Cooperated closely with software development units to integrate comprehensive networking solutions within apps, refining their functionality.

- Managed Jira ticketing system responsiveness, emphasizing prompt resolutions and constructive communications for issues related to network services.
- Facilitated training sessions, aspiring to elevate collective knowledge among staff regarding advanced practices in network management.

Junior Network Engineer

Fictitious Communications Inc. 📅 July 2019 - May 2021 📍 Milwaukee, WI

Primarily supported the configuration and administration of network devices, maintaining consistent operational profile and reliability for projects.

- Assisted in configuring network devices aligned with client requirements while ensuring project compliance and optimization.
- Participated in regular operational shifts to provide immediate support for network failures to uphold high levels of reliability.
- Diligently documented changes affecting configurations while preserving records for auditing standards, reinforcing best practices adherence.
- Engaged in collaborative enhancement projects focusing on network architecture scalability, yielding improved performance outcomes.
- Supported senior engineers by developing foundational automation functionalities within spots requiring efficient repetition.
- Worked alongside monitoring personnel, leading efforts in shaping alert systems to deliver timely notifications on abnormalities.

LEADERSHIP & AWARDS

- Dean's List - 2024, 2025
- Winner of the University Hackathon 2023

CERTIFICATIONS

- Cisco Certified Network Associate (CCNA) 📅 2025
- Certified Network Automation Engineer 📅 2025

PROFESSIONAL AFFILIATIONS

- Member of the Computer Networking Club
- Volunteer Tutor for Computer Science Students

LANGUAGES

- English (Native) • Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST