

Mateusz Cole

Network Development Engineer

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SUMMARY

Detail-oriented Network Development Engineer with over 5 years of experience in designing, engineering, and implementing scalable IP networks. Proven success exists in collaborating with cross-functional teams to automate network operations, enhance performance, and deliver reliable solutions. Strong expertise in major internet routing protocols, Linux/Unix environments, and automation scripting has facilitated operational excellence and continuous improvement in network reliability and efficiency.

EXPERIENCE

Network Development Engineer

Tech Innovations, Inc. 📅 January 2022 - Present 📍 Denver, CO

Currently leading the design and implementation of high-availability IP networks to support critical client operations while ensuring minimal downtime and optimal performance.

- Spearheaded the deployment of robust IP networks, enhancing uptime and service quality for diverse clients.
- Collaborated effectively with development teams on automating deployment workflows, significantly reducing service delivery timeframes.
- Managed escalations and resolved complex networking issues, improving customer satisfaction with essential services.
- Conducted thorough reviews of network configurations, leading to enhanced performance across multiple systems.
- Mentored junior engineers through hands-on training and knowledge enrichment sessions, building capacity within the team.
- Documented best practices, fostering a culture of operational excellence.

Network Engineer

NextGen Networks 📅 June 2019 - December 2021 📍 Aurora, CO

Played a vital role in designing and maintaining advanced routing protocols, thereby optimizing network traffic flows and contributing to overall system efficiency.

- Engineered and managed key routing protocols like BGP and OSPF, tailoring network solutions for varied client requirements.
- Implemented network monitoring systems, effectively decreasing operational hiccups and boosting SLA compliance.
- Wrote Python scripts that transformed traditional network processes into automated tasks, lowering manual error incidents.
- Communicated closely with clients to tailor networking solutions, ensuring alignment with specific business objectives.
- Engaged in strategic discussions aimed at enhancing network capacity and preparing for future demands.
- Led training sessions that educated staff on innovative technologies and improved management skills.

Junior Network Engineer

CoreTech Solutions 📅 April 2017 - May 2019 📍 Boulder, CO

Supported deployment and ongoing monitoring of network hardware while being pivotal in creating documentation that streamlines onboarding procedures.

- Contributed to hardware deployments and performance monitoring activities, which were critical in industry compliance.
- Worked alongside senior engineers to troubleshoot network anomalies, gaining insight into packet forwarding metrics.
- Produced comprehensive documentation regarding network setups and procedures, assisting new hires in their transitions.
- Collaborated on design projects aiming at augmenting capabilities and achieving higher service standards.
- Participated in workshops focused on emerging technologies within networking, improving personal and organizational growth.
- Helped bring awareness of security improvements through participation in internal projects.

LEADERSHIP & AWARDS

- Cisco Certified Network Associate (CCNA)
- AWS Certified Solutions Architect – Associate

EDUCATION

Bachelor's Degree in Computer Engineering

University of Colorado Boulder 🎓 GPA: 3.8 📅 2026 📍 Boulder, CO

Coursework: Networking, Systems Design, Security Protocols, Network Management

CERTIFICATIONS

- Cisco Certified Network Associate (CCNA) 📅 2023

- AWS Certified Solutions Architect – Associate 📅 2024

TECHNICAL SKILLS

- **Networking Technologies:** TCP/IP, VLANs, VPNs, Firewalls
- **Monitoring Tools:** Wireshark, Nagios, Zabbix
- **Configuration Management:** Ansible, Puppet, Chef
- **Cloud Platforms:** AWS, Azure, GCP
- **Database Management:** MySQL, MongoDB, PostgreSQL
- **Scripting Languages:** Bash, Perl, Python
- **Version Control:** Git, SVN, Mercurial
- **Security Protocols:** SSL, IPSec, HTTPS
- **Virtualization Technologies:** VMware, KVM, VirtualBox
- **Collaboration Tools:** Slack, Microsoft Teams, JIRA

SKILLS

- Major Internet Routing Protocols (BGP, OSPF)
- Network Automation (Python, Shell)
- Troubleshooting and Problem Resolution
- Linux/Unix Environments
- Network Design and Implementation
- Project Management

PROFESSIONAL AFFILIATIONS

- Member of IEEE Computer Society
- Active participant in local tech meetups

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST