

# Mateusz Cole

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## SUMMARY

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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

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### Network Development Engineer

January 2022 - Present

Tech Innovations, Inc.

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

June 2019 - December 2021

NextGen Networks

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

April 2017 - May 2019

CoreTech Solutions

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

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

## EDUCATION

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### Bachelor's Degree in Computer Engineering

2026

University of Colorado Boulder GPA: 3.8

Boulder, CO

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

## CERTIFICATIONS

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- Cisco Certified Network Associate (CCNA) 📅 2023
- AWS Certified Solutions Architect – Associate 📅 2024

## TECHNICAL SKILLS

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- **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

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- 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

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

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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

## REFERENCES

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AVAILABLE ON REQUEST