

Mesfin Getachew

Senior DevOps & Cloud Engineer

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Professional Summary

Senior DevOps and Cloud Engineer with 7+ years of experience building scalable infrastructure and CI/CD pipelines across AWS, Azure, and GCP. Passionate about automating workflows and enabling teams to release software quickly and securely. Skilled in Docker, Kubernetes, and Terraform to streamline deployments and reduce manual effort. Known for cross-functional collaboration, mentoring junior engineers, and aligning technical delivery with business outcomes.

Technical Skills

Cloud Platforms: AWS, Azure, GCP, CloudFormation, Terraform

CI/CD & DevOps: Jenkins, GitLab CI, Azure DevOps, GitHub Actions, Bamboo

Version Control: Git, GitHub, GitLab, Bitbucket

Containers & Orchestration: Docker, Kubernetes, OpenShift, Helm

Infrastructure as Code: Terraform, CloudFormation, Ansible

Scripting: Bash, Python, PowerShell, Shell

Monitoring & Logging: Prometheus, Grafana, ELK Stack, Datadog

Operating Systems: Linux (Ubuntu, CentOS, Red Hat), Windows Server

Networking & Security: VPC, IAM, VPN, Firewalls, NGINX, Apache, TLS/SSL

Databases: RDS, DynamoDB, MySQL, PostgreSQL, MongoDB

Compliance & Security: AWS Security Best Practices, PCI-DSS, HIPAA

Work Experience

Senior DevOps Engineer

Shiro Technologies LLC, Addison, TX | Oct 2022 - Present

- Designed and deployed scalable, fault-tolerant applications on AWS using EC2, S3, Lambda, and RDS—ensuring high availability and performance under load.
- Automated infrastructure provisioning with Terraform and CloudFormation, cutting deployment time and reducing errors across multiple environments.
- Led containerization efforts using Docker and introduced Kubernetes for orchestration, which improved release velocity and system resilience.
- Built and maintained CI/CD pipelines in Jenkins and GitLab CI, enabling smoother, faster, and more reliable application deployments.
- Improved system reliability by automating server setup and configuration management using Ansible and Puppet.
- Integrated Prometheus and Grafana to deliver real-time monitoring dashboards, helping teams detect and resolve issues faster.

- Collaborated closely with development, QA, and security teams to align infrastructure changes with application needs and compliance standards.
- Worked across AWS, Azure, and GCP to support hybrid cloud strategies and optimize costs without compromising performance or security.

Cloud Engineer

CDI Tech, Arlington, VA | Jun 2020 – Sep 2022

- Spearheaded the migration of legacy on-prem infrastructure to AWS, significantly boosting availability and cutting operational costs.
- Managed infrastructure across AWS and Azure, continuously fine-tuning resources for performance and cost efficiency.
- Created automation scripts in Python and Shell to handle provisioning, updates, and health checks—freeing up hours of manual work each week.
- Used Terraform to build reproducible environments as code, improving consistency and enabling faster rollbacks when needed.
- Partnered with development teams to design CI/CD pipelines in Jenkins, reducing deployment friction and increasing release frequency.
- Strengthened cloud security by implementing IAM policies, encryption, and routine audits in line with best practices.
- Regularly collaborated with stakeholders to align infrastructure upgrades with product timelines and business priorities.

Cloud Operations Engineer

Property Management Experts, Arlington, VA | Jun 2018 – May 2020

- Maintained and supported high-traffic Linux and Windows environments, ensuring system reliability and fast incident resolution.
- Automated system updates and configurations with Ansible, reducing manual intervention and cutting deployment time by 40%.
- Implemented centralized logging and performance monitoring with the ELK Stack, helping proactively identify issues and optimize uptime.
- Managed core networking components like DNS, VPN, and load balancers to support seamless connectivity across teams and services.
- Assisted in disaster recovery planning and implemented regular backups, contributing to a more resilient and responsive infrastructure.
- Worked closely with engineering and support teams to troubleshoot production issues and improve infrastructure transparency.

Education

- Postgraduate Diploma in Cloud Computing – University of Texas (Online)
- Master's Degree in Electrical & Electronics Engineering – Czech Technical University

Certifications

- AWS DevOps Engineer – Professional
- Azure Database Administrator – Associate
- AWS Certified Cloud Practitioner – Foundational