

Mesfin Getachew

Cloud & DevOps Engineer

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Professional Summary

Results-oriented and highly skilled Senior DevOps and Cloud Engineer with 7+ years of experience designing, implementing, and maintaining scalable cloud infrastructure and CI/CD pipelines. Adept in automation, performance optimization, and multi-cloud environments using tools like Docker, Kubernetes, AWS, Azure, and Terraform. Strong background in system administration, scripting, monitoring, and cloud security. Proven ability to lead cross-functional teams and deliver robust IT solutions aligned with business goals.

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 highly available and scalable applications on AWS, leveraging EC2, S3, Lambda, and RDS services.
- Automated infrastructure provisioning and management using Terraform and AWS CloudFormation, enabling rapid deployment of VPCs, EC2 instances, RDS, and security groups.
- Managed Docker containers and implemented Kubernetes for orchestration, improving deployment efficiency and scalability.
- Built CI/CD pipelines using Jenkins and GitLab CI to automate testing, building, and deployment processes.
- Optimized system performance by automating server provisioning and configuration management using Ansible and Puppet.

- Integrated Prometheus and Grafana for monitoring, enabling real-time insights into system performance and resource utilization.
- Collaborated with cross-functional teams to ensure application scalability, reliability, and security best practices.
- Worked on multi-cloud environments, including Azure and GCP, to ensure redundancy and cost optimization.

Cloud Engineer

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

- Implemented and maintained infrastructure on AWS and Azure, optimizing cloud resources for cost and performance.
- Led the migration of on-premises infrastructure to AWS cloud, improving system availability and reducing operating costs.
- Developed automated scripts using Python and Shell for server provisioning, maintenance, and updates.
- Utilized Terraform to manage infrastructure as code, enabling reproducible environments and reducing manual errors.
- Worked closely with developers to set up CI/CD pipelines using Jenkins, improving the speed and accuracy of software releases.
- Ensured the security of cloud-based applications by implementing IAM roles, encryption, and regular security audits.

Cloud Operations Engineer

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

- Managed and maintained Linux and Windows servers for a high-traffic web application environment.
- Automated system updates and configuration management using Ansible, reducing manual intervention by 40%.
- Monitored server performance and application logs, using ELK Stack to identify issues and optimize system performance.
- Supported networking services including DNS, VPN, and load balancers to ensure high availability.
- Assisted with disaster recovery planning and performed regular backups to minimize downtime.

Education

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

Certifications

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