

Mesfin Getachew

DevOps/Cloud Engineer

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Professional Summary

Results-driven DevOps Cloud Engineer with over 7 years of experience in developing, automating, and optimizing cloud infrastructure. Skilled in delivering scalable, secure cloud solutions using AWS and Azure. Proficient in automating workflows with CI/CD tools (Jenkins, Azure DevOps, GitHub Actions), containerization (Docker, Kubernetes), and Infrastructure as Code (IaC) technologies (Terraform, CloudFormation, Ansible). Expertise in enhancing system performance, ensuring high availability, and driving cost efficiencies while maintaining rapid deployment cycles. Adept at collaborating with cross-functional teams to improve operational processes and implement innovative solutions. Committed to leveraging advanced technologies to drive business growth and streamline operations, with strong experience in serverless architecture and hybrid cloud solutions.

Work Experience

Senior DevOps/Cloud Engineer

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

- Architected and optimized cloud infrastructures across AWS and Azure, migrating 50+ legacy on-prem applications to the cloud, reducing infrastructure costs by 30%, and improving overall system performance by 20%.
- Led the design and implementation of scalable, secure cloud hosting solutions for microservices, using Kubernetes and AWS Lambda for auto-scaling, high availability, and streamlined management of cloud-native applications, resulting in a 40% improvement in system uptime.
- Spearheaded the development of enterprise-level CI/CD pipelines using Azure DevOps, GitLab CI, and GitHub Actions, reducing deployment time by 25% and enhancing release frequency for mission-critical applications, accelerating time-to-market for new features by 35%.
- Drove automation and infrastructure provisioning across multiple environments using Terraform and CloudFormation, provisioning AWS EC2 instances and RDS clusters, ensuring consistent deployments, enhancing scalability, and minimizing manual intervention by 40%.
- Mentored and guided a team of 5 junior engineers, fostering a culture of collaboration and continuous improvement, leading to a 20% increase in team productivity and faster delivery times by advocating for DevOps best practices, cloud architecture principles, and security standards.
- Collaborated closely with cross-functional leadership to define cloud strategy and long-term infrastructure planning, contributing to the successful alignment of DevOps initiatives with business objectives, driving a 15% reduction in infrastructure costs.

DevOps Engineer

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

- Developed and automated CI/CD pipelines for MySQL and DynamoDB databases using Terraform and AWS CloudFormation, enabling continuous delivery of schema changes and improving database performance by 25%, reducing downtime during updates by 40%.

- Integrated Dynatrace and Datadog for proactive monitoring and alerting, reducing Mean Time to Detection (MTTD) by 30% and enhancing overall system reliability by ensuring faster response to incidents and better resource utilization.
- Collaborated with cross-functional teams to automate performance optimization tasks and led proof-of-concept activities for cloud migration projects, migrating 10+ applications to AWS, reducing operational costs by 20%, and optimizing system performance.
- Enhanced infrastructure automation workflows, minimizing manual intervention in deployment processes and increasing operational efficiency, resulting in a 30% decrease in deployment errors and a 50% reduction in deployment time.

Cloud Operations Engineer

Property Management Experts LLC, Virginia | Jun 2018 – May 2020

- Provisioned AWS resources and automated infrastructure management using Terraform and Ansible, boosting system availability by 30% and reducing downtime during scaling events by 25%.
- Integrated Prometheus, Grafana, and Datadog into CI/CD pipelines to monitor infrastructure health, resolving performance bottlenecks and ensuring seamless system operation, resulting in a 20% improvement in response times.
- Worked closely with senior leadership to design and implement cost-efficient cloud architectures, resulting in a 20% reduction in operational costs and optimized resource allocation by implementing auto-scaling and reserved instances for EC2.
- Provided ongoing system maintenance and troubleshooting, ensuring high availability and reliability of cloud-hosted applications, maintaining an uptime of 99.99% and resolving critical issues within 30 minutes on average.

Skills

AWS (EC2, Lambda, S3, VPC, RDS, DynamoDB, CloudFormation, CloudWatch, ECS, EKS, Global Accelerator, Route 53, Backup, Shield, IAM, KMS, WAF), Azure (VMs, Networking, App Services, Azure DevOps, Backup, Active Directory, RBAC), Hybrid Cloud Solutions, Docker, Kubernetes, AWS ECS, AWS EKS, Serverless Architecture (AWS Lambda, Azure Functions), Infrastructure as Code (IaC): Terraform, CloudFormation, Ansible, HashiCorp Vault, Jenkins, GitLab CI, GitHub Actions, Azure DevOps, Continuous Integration/Continuous Delivery, GitOps, Automation Workflows, Datadog, Prometheus, Grafana, Dynatrace, CloudWatch, CloudTrail, DevSecOps, AWS IAM, RBAC, KMS, WAF, Shield, Encryption, Bash, Python, PowerShell, Shell Scripting, Java, YAML, MySQL, DynamoDB, MongoDB, MS, VPN, AWS Direct Connect, Load Balancing, API Gateway, Transit Gateway, Linux Administration (Ubuntu, Amazon Linux), NGINX, HAProxy, Maven, Jira, Confluence, Slack, Microsoft Teams, Agile/Scrum, Disaster Recovery Automation, Data Replication Strategies, Cross-functional Team Collaboration, Coaching & Training, Cloud Strategy, Project Management, Problem-Solving

Education & Certifications

- Postgraduate Diploma in Cloud Computing – University of Texas, Austin, TX
- MSc Electronics Engineering – Czech Technical University
- AWS Certified DevOps Engineer – Professional
- AWS Certified Cloud Practitioner – Associate