MESFIN GETACHEW

DEVOPS ENGINEER

CONTACT

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- Washington, D.C. – Baltimore Metro Area

SKILLS

- **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS, VPC), Azure
- **DevOps Tools:** Jenkins, GitLab CI/CD, Docker, Kubernetes, Terraform, Azure DevOps
- **Containerization & Orchestration:** Docker, Kubernetes, AWS ECS, EKS
- **Infrastructure Automation:** Terraform, CloudFormation, AWS CodePipeline
- **Security & Compliance:** AWS IAM, AWS KMS, Encryption, RBAC
- **Database:** MySQL, PostgreSQL, MongoDB, DynamoDB
- **Monitoring & Reporting:** AWS CloudWatch, CloudTrail
- **Scripting:** SQL, Python, PowerShell, Bash
- **Operating Systems:** Linux, Windows Server, Mac OS

EXPERTISE

- Enterprise Software Development
- System Design
- Infrastructure Automation
- Configuration automation
- Agile Development RDBMS
- Design & Build
- Team lead

PROFILE

Experienced DevOps Engineer with 6+ years of expertise in cloud infrastructure automation, CI/CD, database management, software development methodologies, AWS, Azure, Docker, Kubernetes, Infrastructure as Code (IaC), to streamline operations, improve system scalability, and drive continuous improvement. Strong collaborator with a proven track record of working effectively within cross-functional teams to deliver innovative and high-performance solutions.

WORK EXPERIENCE

Senior Devops | Cloud Engineer

Shiro Tech, Remote — Oct 2022-Present

- Architected & optimized cloud solutions, migrating legacy on-premises applications to scalable, cost-efficient AWS environments.
- Implemented Infrastructure as Code (IaC) using tools such as Terraform, Ansible, Bash, Python & CloudFormation, streamlining the automation of deployments, configuration management & updates.
- Built CI/CD pipelines with tested & release processes, improving efficiency & reducing time-to-market for critical releases.
- Spearheaded observability strategies, integrating NewRelic, Datadog & CloudWatch for monitoring, logging, & alerting, significantly reducing mean time to detection & resolution.
- Orchestrated containerized applications with Docker, Kubernetes, & advanced cluster management techniques, ensuring seamless scalability, high availability, & fault tolerance across diverse workloads.
- Designed auto-scaling architectures leveraging AWS Lambda, SQS, SNS, NLB, & ELB, substantially improving resource utilization & application resilience under fluctuating load conditions.
- Led the development of reusable, enterprise-grade AWS Glue data pipelines, aligning them with the organization's data lake strategy & seamlessly integrating with S3, Step Functions, SQS, SMS, RDS, Lambda, & Kinesis.
- Leveraged analytics platforms, including Athena, QuickSight, & SageMaker, to deliver actionable insights & predictive models supporting sophisticated cybersecurity & fraud analytics initiatives.

System Operations Administrator (SysOps)

CDI, Remote VA — Jun 2020- Sep 2022

- Applied DataOps methodologies to implement CI/CD pipelines for both relational and NoSQL databases, ensuring continuous delivery of schema changes, automated testing, and rapid feedback loops across the entire data lifecycle.
- Established comprehensive Infrastructure as Code (IaC) strategies and automated configuration management processes to deliver robust backup, recovery, and failover capabilities, ensuring seamless business continuity and minimized operational overhead.
- Leveraged DevOps practices to integrate performance optimization tasks—such as query plan analysis, index tuning, and schema refactoring—directly into deployment pipelines, improving query response times by 25% and enhancing overall system reliability.
- Streamlined database migrations to AWS and Azure using containerization, automated rollouts, and rollback strategies, adhering to strict data governance and compliance standards while transforming legacy databases into scalable, cloud-native ecosystems aligned with modern DataOps principles.

System Administrator

Property Management Experts LLC, Virginia   Oct 2018- May2020

- Leveraged DevOps practices to provision and manage infrastructure as code (IaC), ensuring secure, high-performing, and reliable environments that support mission-critical applications.

- Integrated modern monitoring and observability stacks (e.g., Prometheus, Grafana, ELK, or Datadog) into CI/CD pipelines to proactively identify, diagnose, and resolve performance issues, delivering near-zero downtime and a frictionless user experience.

- Automated repetitive operational workflows using scripting languages and configuration management tools (e.g., Ansible, Chef, Puppet), enabling continuous improvement, increasing efficiency, and reducing manual intervention while maintaining compliance and governance standards.