Dakota Martin

DevOps Engineer III

- Lehi, UT
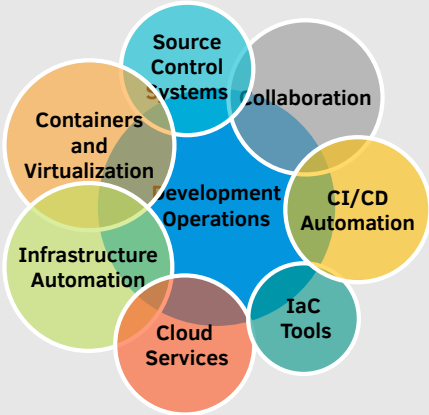- (+1) 507 273 3524
- dakota.martin1232@gmail.com
- /in/dakota-martin-ab02ab122
- dakota-m

Skills

Overview

Programming

0 *LOC*   5000 *LOC*

Github Actions • Jenkins • Buddy

Terraform • AWS • Ansible

Bash • Python • Go

C • C++ • Embedded

Profile

ℹ Results-driven DevOps Engineer with a strong foundation in embedded systems and a passion for automation, scalability, and reliability. Experienced in bridging the gap between software development and cloud infrastructure, ensuring seamless integration of applications and hardware. Skilled in CI/CD pipelines (Jenkins, GitHub Actions), containerization (Docker, AWS ECS), infrastructure as code (Terraform, Ansible), and AWS cloud services.

🏆 Engineering innovation award recipient

Experience

Apr 2024 - Feb 2025 · **DevOps Engineer III** · Purple - Lehi, UT

- Architected and optimized multi-account AWS environments with AWS Organizations, Control Tower, and SCPs, improving governance and security.
- Configuration management using Puppet and Ansible
- Designed high-availability, fault-tolerant architectures using AWS Auto Scaling, ALB, RDS Multi-AZ, and Route 53 failover.
- Collaboration with developers, IT, and stake holders.
- Developed observability and monitoring strategies with AWS CloudWatch, Prometheus, and Grafana, enabling proactive incident response.
- Built cost-optimization frameworks, leveraging AWS Savings Plans, Spot Instances, and Compute Optimizer to cut cloud expenses by 30%.
- Production server provisioning using MAAS

Jun 2021 - Apr 2024 · **DevOps Engineer** · Purple - Lehi, UT

- Designed and implemented CI/CD pipelines using GitHub Actions, reducing deployment time by 25% and improving developer productivity
- Automated infrastructure provisioning with Terraform, ensuring consistency and reducing manual setup effort
- Ansible roles for AWS Infrastructure creation
- Deployed serverless applications using AWS Lambda and API Gateway, reducing infrastructure maintenance overhead
- Wrote Infrastructure-as-Code (IaC) templates to provision AWS resources in a consistent, repeatable manner

May 2017 - Jun 2021 · **Software Design Engineer** · John Deere - Fargo, ND

- Design and develop embedded applications on RTOS systems in an Agile/Scrum environment
- Design and develop automated unit tests in parallel with production software development
- Field customer calls/meetings to provide engineering expertise concerning software updates and features
- Provide engineering expertise of production and engineering released products
- Design and Develop Python automated functional tests for homegrown testing environment
- Developed and integrated a C# tool to program multiple units at a time to decrease cost and increase efficiency

Education

2017 · **Electrical Engineering** (B.S.E.E) · North Dakota State University, Fargo, ND