Dakota Martin

DevOps Engineer

ℹ Lehi, UT

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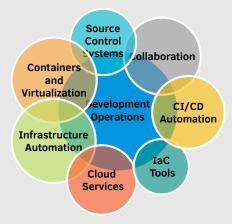in /in/dakota-martin-ab02ab122

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Skills

Overview

Tools

$0\ LOC \longrightarrow 5000\ LOC$

Github Actions • Jenkins • Docker

Terraform • AWS • Ansible

Bash • Python • Lua

C • HCL • YAML • Go

Profile

ℹ Results-driven DevOps Engineer with a passion for automation, scalability, and reliability. Skilled in designing and implementing CI/CD pipelines (GitHub Actions, Jenkins), containerization (Docker, AWS ECS, Kubernetes), and infrastructure as code (Terraform, Ansible). Proficient in leveraging AWS cloud services to ensure seamless integration and deployment of applications. Adept at optimizing cloud infrastructure for performance and cost-efficiency, fostering collaboration between development and operations teams to deliver robust, scalable solutions.

🏆 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 Packer 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 tools.

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 home-grown 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