



# Dakota Martin

DevOps Engineer

 Lehi, UT

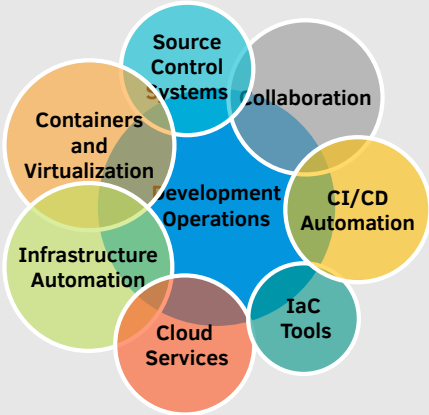
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 dakota-m

## Skills Overview



### Tools

0 LOC

5000 LOC

Github Actions • Jenkins • Docker

Terraform • AWS • Ansible

Bash • Python • Lua

C • HCL • Go

## Profile

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 (GitHub Actions, Jenkins), 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 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