

Mariana F. Falzone

mariana.falzone@gmail.com | +1 832-235-4274 | LinkedIn: linkedin.com/in/marianafalzone

Summary

Senior DevOps and Cloud Engineer with extensive experience designing and automating scalable infrastructure. Proven expertise in Amazon Web Services, Kubernetes, Continuous Integration, and IaC. Delivers resilient, secure, cost-efficient platforms and streamlines workflows across independent and cross-functional environments with strong business alignment.

Work Experience

Hopkipdrive | Senior DevOps Engineer | Remote
March 2023 - Oct 2025

- Designed, built, and maintained cloud infrastructure across AWS using Infrastructure as Code with Terraform.
- Migrated infrastructure from ECS to EKS using Terraform, Helm, and ArgoCD, improving production systems' scalability and performance, and reducing downtime.
- Improved CI/CD performance and reliability by leading a POC to evaluate CI tools and executing a full migration from CircleCI to GitLab CI.
- Reduced cloud costs by 20% through AWS optimization, resource analysis, and improved resource utilization.
- Configured observability integrations (Prometheus with Datadog) and created centralized dashboards to monitor system health, enable faster troubleshooting, anomaly detection, and improved performance visibility across teams.
- Contributed to programming codebases, primarily in Go and Bash, with a strong focus on software development, including debugging and performance improvements.
- Ensured infrastructure security and compliance by applying best practices, leveraging IAM, encryption, and network security, using tools like Wiz, Natoma, WAF, Secrets Manager, and GuardDuty.
- Led DevOps roadmaps and cross-functional projects with engineering, security, and product teams, fostering DevOps culture, agile practices, continuous improvement, and clear knowledge sharing.
- Provided mentorship and leveraged strong written and verbal communication skills to solve problems and resolve issues effectively.

The Mom Project | Site Reliability Engineer L3 | Remote
February 2022 - January 2023

- Architected and built CI/CD pipelines using CodePipeline, CodeBuild, Docker, and Terraform.
- Created and maintained Infrastructure as Code using Terraform.
- Implemented monitoring solutions using CloudWatch and Logz.io.
- Collaborated with the security team to prepare infrastructure for SOC2 compliance.
- Managed AWS services including Elastic Beanstalk, ECS, VPC, S3, EC2, RDS, Parameter Store, Secrets Manager, and CodeArtifact.
- Led cross-functional engineering teams using Agile practices (Kanban/Scrum).

Stelligent | DevOps Automation Engineer | Remote

May 2021 - Feb 2022

- Enhanced Blackbird (3M) pipeline processes using AWS Service Catalog and Python (boto3).
- Utilized CodePipeline, CodeBuild, and CodeDeploy for automation.
- Designed and deployed Infrastructure as Code using CloudFormation.
- Implemented CI/CD best practices, including cfn-nag and cfn-lint.
- Improved AMI pipeline configurations using Ansible playbooks and Molecule.
- Created CDK Pipelines using Python with unit and integration testing.
- Managed multi-account (commercial and GovCloud) IAM configurations with identity federation and inline policies.
- Participated in the engineering team hiring process.

Act-On Software | DevOps Engineer/Systems Engineer | Portland, OR

Oct 2015 - May 2021

- Led Platform team to migrate SaaS Microservices from Pivotal Cloud Foundry to AWS EKS.
- Developed POC and executed full migration to EKS.
- Completed cluster deployment, tool setup, app migration, and security validation.
- Created Terraform modules for EKS cluster and other services running in AWS.
- Administered multi-region EKS clusters using Flux, Fluentbit, New Relic, and Sealed Secrets.
- Built Jenkins CI/CD pipelines for instance creation using Ansible.
- Reduced cloud costs by \$5,000/month by migrating PCF infrastructure from AWS to VMware.
- Integrated Okta with AWS using Terraform and AWS CLI for enhanced security.
- Automated microservice deployment processes using Bash scripts.

Core Skills

Cloud & Platforms

- AWS
- Kubernetes (EKS), OpenShift, Docker, Helm, ArgoCD

DevOps & Automation

- CI/CD: GitHub Actions, GitLab CI, Jenkins, CircleCI
- Infrastructure-as-Code: Terraform, CloudFormation
- Configuration Management: Ansible, Puppet
- Scripting: Python, Bash

Security, Operations & Reliability

- Wiz, Natoma, WAF, Secrets Manager, GuardDuty, AWS KMS, Secrets Manager, IAM
- Monitoring & Observability: CloudWatch, Datadog, Splunk, New Relic
- High availability, disaster recovery, cost optimization

Professional Strengths

- Cross-functional collaboration and technical leadership
- Clear communication with technical and non-technical stakeholders
- Strong problem-solving and analytical skills
- Rapid learner in fast-paced, enterprise environments
- Mentorship, planning, and an ownership mindset

Education

Master of Science in Information Technology
Virginia Polytechnic Institute and State University

Bachelor of Science in Systems Engineering
Military School of Engineering, La Paz, Bolivia

Certifications

AWS Certified Solutions Architect - Associate | May 2018, October 2021