Marcos Silva

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ABOUT ME

I'm a professional with a strong problem-solving mindset, a natural curiosity about how things work, and a solid team track record, which have all helped me deliver high-quality work that improves the speed, security, and scalability of software products.

EXPERIENCE

Senior DevOps Engineer   *Remote*
Persefoni   *2022-2025*

- Built Terraform modules to run Persefoni's platform in AWS, developed CI/CD pipelines in GitHub, automated tasks with Bash and Python, and set up Datadog for monitoring.
- Designed and developed a system to create Preview Environments for the frontend applications leveraging EKS, ArgoCD, Helm and Karpenter for automated node auto-scaling, improving development speed and saving thousands of dollars.
- Led the implementation of the incident management process. This involved working with many departments across the organization, lowering MTTR and improving customer satisfaction.
- Designed, provisioned, and maintained AWS EKS clusters for the dev, operations, demo and production environments to run jobs, kafka connectors, internal utilities, GitHub self-hosted runners and more.
- Implemented a system to manage Auth0 tenant configurations as a code.

DevOps Engineer   *Remote*
EDB   *2021-2022*

- Worked for the Cloud Native Team with focus on bringing PostgreSQL to K8s.
- Implemented CI/CD workflows using GitHub Actions, automated everything with Bash and Python.
- Provided infrastructure in Azure and AWS to run tests inside Kubernetes and OpenShift Clusters.

DevOps Engineer   *Remote*
GOintegro   *2019-2021*

- Built +10 Terraform modules to manage infrastructure in AWS, developed +100 CI/CD pipelines to deploy and scale +80 microservices using Jenkins.
- Migrated 25 microservices written in Go, Node and PHP to Docker in the first months.
- Configured EKS clusters to deploy microservices using FluxCD with, FluentD, Cluster Autoscaler and HPA, to execute stress tests using jMeter.
- Centralized monitoring and alerting using AWS CloudWatch, Prometheus, Grafana, Fluentd, and New Relic, reducing system errors by 80% and increasing scalability and performance.
- Planned and executed AWS cost reduction to save 30% of our monthly budget.

SKILLS

Skills: AWS, Bash, Datadog, Docker, GitOps, Github, Grafana, Helm, Kubernetes, Karpetner, Python, Terraform

PROJECTS

whattobuildnext.com   2025
Built a platform to create football teams and schedule games with friends.

EDUCATION

Technical University Federico Santa María, Chile   *2017-2019*
Computer Systems Engineering
National University of Cuyo, Argentina   *2010-2013*
University Technician in Networks and Telecommunications