

# Eligio Mariño

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## SUMMARY

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Senior SRE/Platform engineer with 10+ years of software experience across SaaS healthcare, B2B travel, IoT, and energy. Two-time founding-SRE hire, building IaC, observability, and reliability foundations from scratch. Comfortable from application code to service orchestration. Ships pragmatic solutions fast and raises the quality bar.

## EXPERIENCE

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### Senior SRE

2025 — Present

Perk (Corporate travel and spend management)

*Barcelona, Spain*

- Second SRE hire; set the IaC and observability standards for the platform and partnered with the Engineering Manager on the team's roadmap.
- Sped new microservice Datadog observability provisioning 95% (days → minutes) with a reusable Terraform module framework — cost, reliability, and security guardrails enforced via Terraform validations, and per-service isolation so one change can't break others. Closed a 2-year backlog of outdated provider versions.
- Cut product engineers' monitoring-maintenance time 75% (3 days → 4 hours) by rearchitecting the company's Datadog observability stack in Terraform; adopted by 100% of services.
- Cut database costs 10% through capacity planning and routing AWS RDS purchases through our discounted reseller.
- Onboarded 200 services from a newly acquired company onto Datadog, cutting MTTD 90% (days → seconds) and MTTR 80% across a Cloud Run, Cloud Function and GKE in GCP. Created agent skills and automations to accelerate the rollout to a month instead of the planned 6 months across all engineering teams using GCP..
- Lifted post-incident follow-up completion from 40% to 90% by automating the incident management process and increasing visibility for engineers and leadership.

### DevOps / SRE

2022 — 2025

Collective Minds (Healthcare collaboration platform)

*Barcelona, Spain*

- Accelerated deployments 10x as the first DevOps Engineer hire; built the infrastructure strategy from scratch with Terraform and Terragrunt.
- Decreased by 50% the build and deployment time by building the containerization strategy from local Docker Compose through Gitlab CI to ECS and Kubernetes deployment.
- Cut MTTR from 4 hours to 20 minutes by building the OpenTelemetry, Prometheus, Grafana Cloud, and CloudWatch observability stack across containers and AMIs.
- Cut audit time 50% and lifted security posture by codifying network-security and data-protection governance policies.
- Cut the monthly cloud bill 15% by integrating Infracost, CloudCustodian, AWS Compute Optimizer, and AWS Cost Optimization Hub into Grafana to surface unused resources and anomalies.
- Sped less-regulated CI 3x and cut new-service spin-up 20% through per-microservice Gitlab CI pipeline templates, Nixery-based Docker images, and a monorepo→multirepo split.

### Software Engineer

2019 — 2022

AleaSoft (Energy price forecasting)

*Barcelona, Spain*

- Reduced data quality issues detection in 70%, from days to minutes, by building a data monitoring for all the energy data services.
- Cut release time in 70% by creating an internal C++ package manager for all applications and libraries.
- Cut data latency 20% by developing Python and C++ ETLs and forecasting models with smart update policies for the French and German energy markets.
- Cut data latency 30%, network downtime 10%, and deployment time 40% by implementing a timeseries visualization platform with web monitoring and admin panel using Symfony, Python, Luigi, AWS CDK, Github Actions, and Docker.
- Cut backup time 70%, recovery time 50%, and storage cost 30% by automating web hosting backup and rollback onto cloud storage.

### Digital Signal Processing Engineer

2015 — 2018

CopSonic (IoT ultrasonic connectivity)

*Toulouse, France*

- Increased the communication range by 5x and decreased bit-error rate in 10% by building a sound-wave NFC system for embedded devices in C and MATLAB DSP on STM microcontrollers.
- Cut prototype time 10%, increased noise resiliency in 15%, and trimmed payload to 100 samples in all services by building the framework for an indoor sound-wave communication system in C++, MATLAB DSP, and Android.

### Software Engineer

2013 — 2014

Conoce Cuba (private-business directory)

*Havana, Cuba*

- Implemented a map positioning system for Cuba's private businesses; improved map-render duration 50% via map-tile heuristics (Qt, C++, Android).

## SKILLS

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- **Cloud:** AWS, GCP, ECS, Lambda, GCP Cloud Run, Kubernetes
- **IaC:** Terraform/OpenTofu, CDKTF, AWS CDK
- **Observability:** OpenTelemetry, Prometheus, Datadog, Grafana Cloud, GCP Monitoring, CloudWatch
- **CI/CD:** Gitlab, Github Actions, CircleCI, Spacelift, Docker, Nix, test-containers
- **Cost & Compliance:** Infracost, CloudCustodian, AWS Compute Optimizer, AWS Cost Optimization Hub
- **Languages:** Go, TypeScript, Python, Bash, C++

## EDUCATION

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**Technological University of Havana (CUJAE)**

*Engineering Degree, Telecommunications and Electronics Engineering*

- Thesis: Chaotic Interleaver in Turbo Codes.

Havana, Cuba

2012 — 2017

## CERTIFICATIONS

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- **AWS Certified Solutions Architect**, Amazon Web Services.
- **Latin America ACM-ICPC Finalist** (2013, 2014, 2016).
- **Coach, National Math Competition Winner Team** (Cuba, 2012) — trained 10 contestants; 5 gold and 2 silver medals; all 7 qualified for International Olympiad pre-selection.
- **National Math Competition Winner** (Cuba, 2009–2011) — three-time member of the Math Pre-selection for International Olympiads.