

RESUME

Juan Diego Sierra Fernández

Platform Engineering Lead | SRE / DevOps | Cloud Architect | AI Enablement

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-  Remote · Hybrid · On-site
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● SUMMARY

Infrastructure, platform, and site reliability engineer with 10+ years of experience building and operating scalable systems, and a track record of **leading engineering teams**.

I have put **AI tooling into production** to improve how teams build and ship software, worked at **early-stage startups** where I standardized processes from scratch, and at **large corporate environments** with strict procedures and compliance requirements.

Having worked as both a **software developer** and an **infrastructure engineer**, I have a thorough understanding of the entire **software delivery lifecycle**.

Interested in leadership positions such as **Staff Engineer**, **Principal Engineer**, or **Head of Platform**.

I encourage you to [read my manifesto](#) to see if my engineering mindset aligns with your company's values.

● OPEN SOURCE

Contributions

[claude-code-templates](#) +23K ★

Claude Code community templates and reference configurations.

[helm-unittest](#) +1.2K ★

BDD-style unit test framework for Kubernetes Helm charts.

[opentelemetry-helm-charts](#) +500 ★

Official OpenTelemetry Helm charts for Kubernetes.

[openfga/helm-charts](#) +40 ★

Official Helm charts for OpenFGA authorization service.

My Projects

[contributor-report](#) +60 ★

GitHub Action that evaluates contributor quality and helps teams catch spammy AI-generated PRs with objective signals.

[enterprise-agent-plugins](#)

Extensible plugin system for enterprise AI agent pipelines and workflows.

[enterprise-agent-operator](#)

Kubernetes operator for deploying and managing enterprise AI agents at scale.

[observability-cli](#)

CLI tool for querying and analyzing observability data across Grafana, Loki, and Mimir.

● EXPERIENCE

Platform Engineering Lead

May 2025 - Present

Maisa Al

- **Lead** a team of 6 infrastructure engineers and report directly to the CTO.
- Drive **AI adoption** across the SDLC, improving engineering speed, developer productivity, and delivery quality.
- Build production-grade AI workflows, **agents, skills,** and **plugins** for internal engineering use cases.
- Operate the platform on **AWS**, supporting both Maisa's own **SaaS product** and customer-deployed **Helm chart** installations.
- Drive **FinOps** and cloud cost optimization: keeping spend visible, cutting waste, and making sure infrastructure costs actually make sense.
- Administer **Jira** across the organization, including project configuration, workflows, automations, and board management.
- Implement security and compliance standards including **SOC 2** and **ISO 27001**.
- Collaborate with developers to design and operate the full **CI/CD lifecycle with GitHub Actions**.
- Release and maintain a public **Helm chart**, manage production **Kubernetes** and **OpenShift** workloads with **Karpenter**, and operate **ArgoCD** for continuous delivery.
- Provision infrastructure with **Terraform, Terragrunt, Pulumi,** and **Crossplane** using a GitOps approach.
- Build and operate monitoring and observability with **Grafana, Mimir, Loki, Tempo,** and **OpenTelemetry**.

Site Reliability Engineer

Dec 2023 - May 2025

The Workshop

- **Standardized CI/CD processes across 7 product verticals**, improving consistency and deployment quality.
- **Managed and maintained 50+ Kubernetes clusters** supporting large-scale production workloads.
- Created and maintained **Docker images, Helm charts, GitLab pipelines, and Ansible playbooks** for scalable platform operations.

Site Reliability Engineer

Jul 2021 - Dec 2023

Mindcurv

- Improved the cloud infrastructure powering **auxmoney.com**, increasing reliability, scalability, and performance.

- **Managed 30+ AWS accounts**, ensuring governance, security, and automation standards.
- Improved and maintained **Ansible playbooks** used to provision and manage server infrastructure.

Platform Engineering Lead

Jul 2019 - Mar 2021

Bdeo

- **Responsible for all cloud infrastructure and CI/CD pipelines**, reporting directly to the CTO.
- Designed and maintained **cloud-native and serverless architectures on AWS**.
- Managed the entire company AWS estate, including **CloudFormation, API Gateway, Lambda, CloudFront, Route 53, EC2, DynamoDB, RDS, and Fargate**.
- Drove **DevOps culture adoption** across teams, improving CI/CD workflows with GitLab pipelines and internal tooling.
- Designed and developed horizontal platform services to accelerate product development.
- Worked closely with support and engineering teams to diagnose incidents and unblock delivery.

Senior Software Developer

Mar 2018 - Jul 2019

Bdeo

- Worked as a senior developer in the product team, performing reviews, designing services, and improving legacy code.
- Refactored **AWS Lambda functions to TypeScript**, improving code quality, type safety, and maintainability.
- Created **best practice guides and coding standards** to align developers and raise the quality bar across teams.
- Designed, deployed, and maintained **AWS infrastructure** supporting core product services.

Senior Blockchain Developer

Jun 2016 - Mar 2018

Airbus Defence & Space

- **Led** international blockchain projects with teams across Germany, Italy, Spain, and France.
- **Designed** and implemented a custom blockchain from scratch using Python and LevelDB.
- **Designed** blockchain solutions using private networks with **Hyperledger Fabric** and public networks with **Ethereum**.

Embedded Software Developer (Intern)

Jan 2016 - Jun 2016

Altair

- Developed a customized fork of **Node-RED** using Node.js.
- Built software for **IoT devices in C/C++**.
- Worked with Bluetooth, RabbitMQ, ThingWorx, Sigfox, LoRa, RFID, and WiFi protocols and technologies.

Last updated: March 2026.