



Juan Diego Sierra Fernández

SRE/DevOps & Cloud Architect



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Remote
Hybrid
On Site



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With over 10 years of experience building and maintaining scalable, resilient infrastructures across both on-premises and cloud environments. Strong background in automation, CI/CD, Kubernetes, Terraform, and monitoring, combined with experience in AI, embedded systems, IoT, and blockchain development. Contributor to open-source projects such as OpenTelemetry, Pulumi, and Helm, and active participant in the Stack Overflow community.

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Infrastructure Team Lead Maisa AI (May 2025 - Present)

Responsibilities:

- Leading the infrastructure team and communicating directly with the CTO.
- Implementing security compliance standards such as SOC 2 and ISO 27001.
- Collaborating with developers to design the full CI/CD lifecycle using GitHub Actions.
- Releasing and maintaining a public Helm chart.
- Managing and scaling EKS clusters for production workloads.
- Using Terraform and Pulumi for infrastructure provisioning with a GitOps approach.
- Building and operating a monitoring and observability stack with Grafana Tanka, including metrics and traces via Prometheus and Tempo.

Tech Stack: Kubernetes, Helm, ArgoCD, Prometheus, Docker, OpenTelemetry, Bamboo, Gitlab, Terraform, Ansible, Java, Maven.

Site Reliability Engineer The Workshop (Dec 2023 - May 2025)

Responsibilities:

- Standardized CI/CD processes across seven product verticals, improving consistency and deployment quality.
- Managed and maintained more than 50 Kubernetes clusters supporting large-scale production workloads.
- Created and maintained Docker images, Helm charts, GitLab pipelines, and Ansible playbooks to support scalable and automated platform operations.

Tech Stack: Kubernetes, Helm, ArgoCD, Prometheus, Docker, OpenTelemetry, Bamboo, Gitlab, Terraform, Ansible, Java, Maven.

Site Reliability Engineer Mindcurv (Jul 2021 - Dec 2023)

Responsibilities:

- Improved the cloud infrastructure powering auxmoney.com, enhancing reliability, scalability, and performance.
- Managed more than 30 AWS accounts, ensuring consistent governance, security, and automation practices.

Tech Stack: AWS, Azure, Kubernetes (EKS), Docker, Ansible, Gitlab, Terraform, PostgreSQL (RDS), Grafana, EC2 (Linux), PHP, WordPress.

Site Reliability Engineer Bdeo (Jul 2019 - Mar 2021)

Responsibilities:

- Designed and maintained cloud-native and serverless architectures on AWS.
- Managed the company's entire AWS infrastructure, 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 developing internal tooling.
- Designed and developed horizontal platform services (blockchain service, notifications service, language service, auth service) to accelerate product development.
- Collaborated with the support team to diagnose and resolve complex production issues.
- Assisted developers by providing technical guidance and helping unblock challenges.

Senior Software Developer Bdeo (Mar 2018 - Jul 2019)

Responsibilities:

- Worked as a senior developer within the product team, performing code reviews, designing new services, refactoring legacy code, and promoting programming best practices.
- Designed, deployed, and maintained AWS infrastructure supporting core product services.

Senior Blockchain Developer Airbus Defence & Space (Jun 2016 - Mar 2018)

Responsibilities:

- Led and developed international blockchain projects with teams across Germany, Italy, Spain, and France.
- Designed and implemented a custom blockchain from scratch using Python and LevelDB.
- Served as team lead on a project for the Port of Cartagena using Hyperledger Fabric within the Alastria Network.

Embedded Software Developer (Intern) Altair (Jan 2016 - Jun 2016)

Responsibilities:

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

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