

Sergio Fernández

AI innovator. I put AI agents to work on real infrastructure, and I still do the DevOps, Kubernetes, networking, distributed systems and software engineering I have been doing for over twelve years. Open source and a homelab are what I do for fun.

Murcia, Spain. Spanish, English and Bulgarian.

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NOW

Through Xebia I work with The Walt Disney Company on platform engineering: GitHub Enterprise and GitOps migrations, Terraform enablement, identity and access, AWS and GCP. I also run the technical interviews for Xebia's contractor hires. I also collaborate with San Francisco-based projects on AI agent infrastructure.

For fun, open source and a homelab: about 200 public repositories on GitHub and a blog where I write up what breaks and what I learn.

EXPERIENCE

Jul 2025 to now	Senior DevOps Engineer II , Xebia, Spain Cloud platform for the identity area of The Walt Disney Company, serving millions of concurrent users: reusable Terraform modules for AWS through Atlantis and Terraform Enterprise, GitHub Enterprise and GitOps migrations, SRE and observability, and leading AI adoption for hundreds of developers. Technical interviews for Xebia's contractor hires.
Jul 2023 to Jun 2025	AI and DevOps Consultant , ACSdesk, freelance Built the compatibility layer that let Kubeshark run on OpenShift. For TrustYou, moved Sentry to GlitchTip, ran Hetzner infrastructure, traced a Loki disk-space leak and rightsized clusters with KRR and GitOps. Founded LynxPrompt. AI adoption consulting and workshops for Spanish companies.
Jan 2021 to Jun 2025	Senior DevSecOps Engineer , Claranet Deutschland GmbH, Germany Kubernetes managed services for enterprise clients in Germany. I led the Kubernetes production readiness assessment product, now in the company's portfolio, patch and upgrade management across dozens of clusters, disaster recovery planning as the internal specialist, and the move off Docker Hub. Started the company's Amazon EKS offering. GCP and AWS expert consultant.
Jan 2020 to Dec 2020	MLOps Engineer , Telcaria Ideas SL, Spain 5G-DIVE, an EU and Taiwan research project: a PaaS and MLaaS on fog and edge resources with K3s, Helm, H2O.ai, GitLab CI and ArgoCD.
Feb 2019 to Dec 2020	DevOps Consultant , Culture of Insight, UK, freelance Took an R analytics app for Twitch to production with Docker on DigitalOcean and App Engine.
May 2016 to Dec 2019	Founder, GenieACS Engineer , ACSdesk, Spain My own company. Deployed and operated GenieACS zero-touch CPE provisioning for ISPs in Spain, Switzerland, Chile and India. The container and Helm chart and the systemd services from that work are still the most used ones; how I deploy it and the API recipes are on the blog.
Feb 2019 to Dec 2019	Software and Cloud DevOps Engineer , AP Data Services Ltd, UK R Shiny products for UK financial services and car-part resellers, on ShinyProxy and AWS. AdamPartsFinder is the price-comparison proof of concept from that time.
May 2018 to Jul 2019	Technical Partner , Good Peoples Connected, France Designed an IoT Wi-Fi voucher device on Raspberry Pi for hotels in Guadeloupe: Python, Ansible and AWX, Vault, FreeCAD enclosures. Code: PiSpot-Watch, PiSpot-Show.
Sep 2017 to Sep 2018	NetDevOps and Software Engineer , Anvimur Telecomunicaciones, Spain Automated router deployment for an ISP: ONT integration, Huawei OLT, TR-069, and a LibreACS to GenieACS migration.
Mar 2016 to Aug 2017	Software, Network and Systems Engineer , InnoXess, Switzerland GenieACS deployment and maintenance for a Swiss project: Ruby on Rails, MongoDB, Redis, Docker.

Jul 2015 to May 2016	Software, Network and Systems Engineer , Electrónica Martínez, Spain Internship, then hired. Cut new-customer router setup from 30 minutes to 3 with zero-touch provisioning (router-express), built the "impossible" hotspot map of 200+ APs (statix, services-isp), and moved the company to Odoo (import-xgest-odoo).
Jul 2014 to Sep 2014	Control and Optimization Engineer , Repsol, Spain Internship. Honeywell process control systems, PID and multivariable control.

PROJECTS

Open source, on GitHub, by stars. Stars as of 2026-09-29.	
Telegram-Archive	215 stars
Own your Telegram history: incremental backups with a local viewer that feels like the real app.	
genieacs-container	135 stars
The original and most used container and Helm chart for GenieACS.	
VPN-Bypass	122 stars
macOS menu-bar app for per-domain VPN routing, with a CLI.	
whisper-sub	103 stars
Jellyfin plugin that generates subtitles locally with Whisper.	
CashPilot	53 stars
Self-hosted passive income platform: deploy once, track earnings.	
LynxPrompt	49 stars
Self-hosted, federated platform for AI IDE rules and commands (AGENTS.md, CLAUDE.md).	
DeclaRenta	48 stars
Turns foreign broker reports into Spanish tax filings (Modelo 100, 720, 721, D-6). Free, private, self-hosted.	
Pumperly	38 stars
Open-source fuel and EV route planner with real-time prices.	
Wayback-Archive	38 stars
Download complete websites from the Wayback Machine for offline viewing.	
smart-covers	18 stars
Jellyfin plugin: cover extraction from PDF, EPUB and audiobooks.	

EDUCATION

2020 to 2022	MSc Data Engineering , Edinburgh Napier University Dissertation on disaster recovery of managed Kubernetes (EKS, GKE).
2011 to 2015	BEng Telecommunication Systems Engineering , Universidad Politécnica de Cartagena Graduated second in class. My final project, zero-touch CPE provisioning with DHCP option 66 and TR-069, received an honourable mention.

CERTIFICATIONS

AWS Certified Solutions Architect, Professional, 2026
GitHub Actions (Microsoft), 2025
Certificate in Advanced English, C1 (Cambridge), 2020
CKA, Certified Kubernetes Administrator, 2021 to 2024, expired
AWS Certified Solutions Architect, Associate, 2020 to 2023, expired
HashiCorp Certified Terraform Associate, 2020 to 2022, expired
Huawei Certified Network Associate, Routing and Switching, 2018 to 2021, expired

SKILLS

AI

Agent tooling and MCP servers in Go and TypeScript; Claude Code and Codex workflows and automation; local speech recognition and LLM inference; rules and prompt management for AI IDEs; and a million other innovations I can't talk about yet.

DevOps and platform

Kubernetes (GKE, EKS, AKS, OpenShift, Rancher, K3s), Helmfile, Kustomize, Docker. AWS, GCP, DigitalOcean, on-prem and hybrid networking. Terraform, Terragrunt, Terraform Enterprise, Atlantis. GitHub Enterprise, GitHub Actions, ArgoCD, GitLab CI, Jenkins, Tekton. Prometheus, Grafana, Loki, Tempo, Datadog. Nginx, Caddy, Istio, Keycloak. Routing, switching, VPNs, TR-069.

Software

Go, Python, TypeScript, Bash, R, Swift, C#. REST API design, distributed systems. PostgreSQL, MySQL, SQLite, MongoDB, Cassandra, Redis.

Strong opinions, loosely held.