

Salvador F. Criado

AI & Platform Engineer — Distributed Systems, Cloud & Applied AI

Hands-on senior engineer with **8+ years owning distributed systems end to end** across industrial, agriculture, health, education and accounting domains. Solid classic-engineering backbone — **AWS, Terraform, microservices, event-driven architectures, real-time streaming, time-series, observability** — with a recent production layer in applied AI: on-prem voice pipelines (STT + LLM + TTS **under 2 s** on vLLM + Mistral), managed LLMs on AWS Bedrock with Anthropic, RAG, agentic systems, OCR document classification. Comfortable taking over unfamiliar stacks and ramping into new domains fast — drawn to hard problems and full ownership.

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5 01 Experience

AI Engineer · Enterprise Contact-Centre Client

Sep 2025 — Present

[On-prem LLM voice platform](#) · [Remote](#)

- **End-to-end ownership of an agentic call-centre** on the customer's own GPU infrastructure. Strict on-prem constraint: data never leaves the network. Built the full voice loop (STT + LLM + TTS) **under 2 s** on vLLM + Mistral, with agentic orchestration of inbound and outbound flows and tool calling against the client's CRM. Native-quality Spanish voice was a core constraint, driving deliberate iteration on TTS, prompt design and turn-taking.
- **Tracing and evaluation with Langfuse.** Per-turn traces wired across the voice pipeline; prompts and voice configuration iterated against review of real conversations, with structured logging so failures are diagnosable without re-running the call.

Stack: vLLM + Mistral, Qdrant, n8n, Langfuse, Docker.

AI Engineering Consultant · Qamarero

Jan 2026 — Mar 2026

[Bootstrap of AI engineering practice](#) · [Remote](#)

- **Stood up the production AI stack from zero.** Selected and introduced AWS Bedrock + Anthropic Claude with Langfuse for tracing and evaluation, on a Python / Django backend; codified the patterns the team uses going forward: tool calling, structured output, prompt versioning, content/PII guardrails, golden-set regression.

Stack: Python, Django, AWS Bedrock, Anthropic Claude, Langfuse.

Lead Software Engineer at Iyris

Aug 2024 — Dec 2025

[AWS data platform](#) · [United Kingdom](#) · [Remote](#)

- **Ownership after downsizing.** Took over a data platform previously maintained by **20+ engineers** — led the small crew through redesign, simplification and continuity, working with the PO to preserve feature velocity at a fraction of the headcount.
- **Real-time AI chatbot on live data.** Drove the AI layer of the product — an LLM-powered assistant that executes operations and queries on telemetry in real time for end users.
- **High-throughput ingestion.** Event-driven pipeline collecting, validating and routing telemetry from **1,000+ sensors** as time-series, with detection of critical events and alert routing.
- **AWS serverless platform.** Lambda, IoT Core, S3, SQS, Glue, Athena on Terraform — owned end to end including observability and cost.

- **Infra & CI/CD overhaul.** Migrated multi-tenant infrastructure to IaC with Terraform and automated deployments on Azure DevOps — deploy time cut from **1 week to 1 hour**.
- **Real-time alert filtering for nuclear plants.** Detection and filtering pipeline over MQTT processing **1,000+ signals/second** on NestJS — separating valid signals from false positives where accuracy and latency were both non-negotiable.
- **Search & features on a Moodle LMS at scale.** Intelligent search with Elasticsearch and key product features on a multi-tenant learning platform (**80k+ users per tenant**) built on PHP + Laravel + Vue over Moodle.

Full-Stack Engineer at Nazarías IT

Feb 2018 — Jan 2022

IoT platform · Granada

- **Backend modernisation.** Moved the data-critical paths from a Ruby on Rails monolith to Node.js microservices — queries that were previously impossible (10 sensors at 1-min resolution over 10 years) returning in **under 30 s**.
- **New BLE sensor line.** Engineering lead end to end on SW + HW — hardware selection, PCB design (Altium), embedded firmware in C and BLE / BLE Mesh networking.
- **Full-stack on Rails.** Key product features on the legacy Ruby on Rails application running in parallel with the new services.

§ 02 Skills

AI & LLM ENGINEERING	Claude · Bedrock · vLLM · Mistral · Langfuse · RAG · Qdrant · Agentic systems · Tool calling · STT / TTS · OCR pipelines · n8n
ARCHITECTURE & BACKEND	Distributed · Event-driven · Real-time streaming · Time-series · Microservices · Python · Node.js · NestJS · PHP · Laravel · REST · GraphQL
CLOUD & DEVOPS	AWS · Terraform · Azure · Azure DevOps · Docker · Kubernetes · Helm · CI/CD · Observability · Cost optimisation
FRONTEND & DATASTORES	Next.js · Angular · React · Vue · Turborepo · Prisma · PostgreSQL · MySQL · MongoDB · ElasticSearch
IOT & EMBEDDED	MQTT · BLE · BLE Mesh · PCB Altium · C / C++ firmware · MicroPython · Node-RED

§ 03 Certifications · Education · Languages

AWS Certified DevOps Engineer — Professional Amazon Web Services · 2022	MSc Electronic Systems UPM Madrid · 2017–2018	Spanish	Native
Certified Scrum Master (CSM) European Scrum · 2023	BSc Telecommunications Eng. — Electronics University of Granada (UGR) · 2013–2017	English	Professional
		French	Basic