Jorge Castaño

Senior Software Engineer | AI Engineer (LLM Agents, RAG) | Full Stack & Mobile

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PROFESSIONAL SUMMARY

Senior Software Engineer and AI Engineer with 10+ years of experience building web, mobile and cloud products in fintech, healthcare, retail and enterprise. Founder of Veqya, an AI agent platform for small businesses, where I design multi-agent orchestration, tool calling, guardrails and AI usage policies.

Former Co-Founder & CTO who built a 10-person engineering department, and Tech Lead of teams of up to 7. Background in biometrics, including an anti-spoofing project that cut client e-commerce fraud by up to 85%. Strong in Python, TypeScript, NestJS, React Native and AWS.

PROFESSIONAL EXPERIENCE

Founder & AI Engineer — Veqya

Jan 2026 – Present

- Building an AI agent platform that runs appointments, schedules and sales for small businesses (clinics, salons, sports venues).
- Designed the multi-agent orchestration: agent harness, tool calling, AI usage policies, guardrails and customer segmentation.

Stack: Python, LLMs, AI Agents, NestJS, Next.js, n8n, PostgreSQL

Tech Lead & Senior Software Engineer — Amaris Consulting

Sep 2024 – Present

- Femsa Salud, Cruz Verde Chile (Apr 2026 – Present): built an LLM shopping assistant with tool calling (tested, pending launch), a NestJS Backend for Frontend and SonarQube quality gates in CI/CD.
- Cencosud (May 2025 – Feb 2026): ran the organization-wide SonarQube platform, onboarding 3,500+ repositories and advising 20+ teams.
- Femsa Salud, Yza Mexico (Dec 2024 – May 2025): improved app performance by 30% and shipped 5+ core features for 100K+ users.
- Summa, Grupo Argos (Sep – Dec 2024): led 4 engineers and cut response times by about 45%.

Stack: TypeScript, React Native, NestJS, LLMs, GitHub Actions, SonarQube

React Native Lead — Banco PagaTodo (Mexico, remote)

Feb 2023 – Feb 2024

- Led a team of 4 engineers in Colombia on the ObtenMas and PagaTodo mobile banking apps.
- Upgraded React Native and applied Clean Architecture: 45% smaller app, 75% better performance test results.

Stack: React Native, Redux, Spring Boot, Azure DevOps

Lecturer, Systems Engineering (part-time) — Corporación Universitaria Autónoma de Nariño

Feb 2022 – May 2023

- Taught Data Structures, Programming Fundamentals, Databases, Software Engineering I & II and Programming Languages.

Co-Founder & CTO — Monetta

Jun 2021 – Feb 2023

- Built the engineering department from scratch: 6 developers, 2 QA engineers and 2 DevOps engineers.
- Delivered 2 mobile apps and 1 CMS; closed 6 strategic partnerships that added 3 product modules for 1,000+ users.
- Wrote 20+ engineering policies and introduced Agile practices: +45% throughput, -25% defects.

Stack: TypeScript, NestJS, React Native, Next.js, FastAPI, AWS, Polygon

Technical Lead (freelance) — Cetoco — clients Davivienda, Daviplata, OWO

2019 – 2024

- Built Daviplata's official geolocation map in 8 months, then owned support and features: 15K+ points, 40% faster load, 1M+ monthly users.
- Built Davivienda's branch and ATM locator (2,500+ points, 99.9% uptime) and a geolocation CMS serving 2M+ queries per month.
- OWO (Oct 2021 – Oct 2022): led 3 developers; integrated 2 payment gateways and 5 providers.

Stack: JavaScript, Node.js, AngularJS, Python, FastAPI, Flutter, Google Maps API

Mobile Technical Lead — reconoSER ID

Oct 2019 – Nov 2021

- Led 5 developers and 2 QA engineers building the mobile identity-verification SDK sold to enterprise clients.
- Anti-spoofing (liveness detection) project that helped clients cut e-commerce fraud by up to 85%.

Stack: Kotlin, Swift, C# / .NET Core, Flutter, Biometrics

Lead Backend Engineer — SuRed

Feb 2019 – Oct 2019

- Led a new payment gateway for 10,000+ customers, cutting processing time by 40%.
- Introduced hexagonal architecture and clean code, reducing duplicate code by 25%.

Stack: Java, Spring Boot, Node.js, AWS, PostgreSQL

Frontend Lead — Adatec

Nov 2016 – Feb 2019

- Migrated desktop sales software to a web platform, increasing customer access by 85%.
- Delivered 5 modules for the R-Sales field-sales app used by 200+ field workers.

Stack: JavaScript, Angular, Sencha Touch, Django, .NET Core

EDUCATION & CERTIFICATIONS

M.Sc. in Computer Engineering — Universidad de Granada, Spain · Sep 2025 – Present
B.Sc. in Systems Engineering — Universidad del Valle, Colombia · 2011 – 2017
Certificate in Information Security — Universidad ICESI, Colombia · 2018

SKILLS

AI & LLMs: AI Agents, Multi-agent orchestration, Tool calling, RAG, Embeddings / pgvector, Prompt engineering, Guardrails & AI policies, OpenAI API, Google Gemini, LangChain, AWS Bedrock, n8n
ML & Computer Vision: Deep learning, Neural networks, PyTorch, OpenCV, Facial recognition, Liveness detection, AWS Rekognition
Languages: Python, TypeScript, JavaScript, Java, C#, Kotlin, Swift, Dart
Backend & Frontend: NestJS, Node.js, FastAPI, Spring Boot, .NET Core, React, Next.js, React Native, Flutter, Angular
Cloud & DevOps: AWS, GCP, Azure, Docker, Kubernetes, Terraform, CI/CD, GitHub Actions, SonarQube
Architecture & Leadership: System design, Hexagonal / Clean architecture, Microservices, Technical leadership, Mentoring, Agile / Scrum

LANGUAGES

Spanish — Native · English — Intermediate (B1)