

Marcos Javier Alvarez

Senior Full-Stack Engineer · AI/LLM Systems in Production

Cucuta, Colombia (Remote)

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Senior full-stack engineer specialized in taking AI from demo to production. For the past several years I have built LLM pipelines for document data extraction, communication infrastructure that syncs and classifies email and SMS at scale, and agentic workflows that are tested, cost-traced, and measured like any other engineering system. What I care about most is the gap between an AI demo and an AI system: evaluation harnesses, human-graded ground truth, cost discipline, and observability. Full-stack since 2013 — event-driven backends, React frontends, infrastructure, and DevOps.

EXPERIENCE

House Numbers — Senior Full Stack Engineer 2022-05 – Present

- Designed and shipped production LLM pipelines for document data extraction, including a fallback lane that lifted field accuracy from roughly 0.30 to 0.87 on documents an existing OCR vendor could not process.
- Built the platform's communication infrastructure end to end: asynchronous email sync with durable retries and reconciliation, a new SMS channel behind a channel-agnostic abstraction, and LLM-driven message classification and matching over encrypted data.

Xogito Group — Senior Software Development Engineer 2020-12 – 2022-03

- Owned backend architecture and delivery for the multi-tenant inspection platform end to end.
- Gathered requirements directly with project leaders, QA, and the client, translating them into shipped features.

FullStack Labs — Senior Software Engineer 2018-12 – 2020-12

- Built and maintained full-stack features across the procurement platform.
- Migrated data from a poorly documented legacy platform while preserving the integrity of core financial calculations.

Belatrix Software — Senior NodeJS Software Developer 2018-07 – 2018-11

- Designed the serverless architecture and led the development team delivering it.
- Orchestrated automated deployments via CloudFormation.

Rokk3r — Senior Full Stack Developer and DevOps 2016-02 – 2018-06

- Migrated legacy infrastructure to Kubernetes for a real-time procurement and productivity platform serving telecom clients, with major performance and scalability gains.
- Delivered a digital insurance-broker platform, a backend migration off a discontinued backend-as-a-service for an iOS smart keyboard, and IoT video/academic platforms on experimental hardware.

Kubesoftware SAS — Senior Full Stack & Mobile Developer 2015-01 – 2018-06

- Delivered full-stack web and mobile features across a portfolio of client products, working concurrently with the Rokk3r engagement.

Jarvi Games — Full Stack Developer and DevOps 2013-02 – 2015-06

- Built a real-time game backend with micropayments, including the underlying full-stack infrastructure and DevOps.

SKILLS

Expert: TypeScript, JavaScript, Node.js, React, AWS, Docker, OpenAI API, REST APIs, CI/CD, LLMs (Large Language Models), AI Agents

Proficient: NestJS, MongoDB, PostgreSQL, Kubernetes, Serverless (AWS Lambda / CloudFormation), Anthropic API, GitLab CI, Microservices, Event-Driven Architecture, Observability, Prompt Engineering, SQL, Turborepo, pnpm, Mentoring & Onboarding, Requirements Gathering, Regulated / Encrypted Data Handling

Familiar: Redis, AngularJS, Socket.IO, PHP, Python, Hybrid Mobile Development

EDUCATION

Universidad Nacional Abierta y a Distancia (UNAD) — B.S. Systems Engineering (in progress)

International Scrum Institute — Scrum Master & Product Owner (2020-01 – 2020-01)

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