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Senior FullStack & AI Engineer

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Summary

Senior full stack and AI engineer with 6+ years building distributed systems in TypeScript/Node on AWS. Until October 2026 I was CTO at Vlue Logistics: Led an engineering team responsible for a platform serving over 100K users and handling nearly 100M requests per day. In the last two years I've shipped production LLM systems, including ZentrumCare (a HIPAA-compliant multi-agent healthcare platform), a RAG engine for engineering compliance, open-source MCP tooling and blobot, a desktop app that runs Claude Code, Codex and Cursor as one team on a repo. Maintainer of Morphicons (3K GitHub stars, 180K+ weekly npm downloads). And an active contributor to open-source projects.

Experience

CTO & Backend Lead, Vlue Logistics LLC – Miami, FL (Remote) Feb 2023 – Oct 2026

- Promoted from Backend Lead to CTO. Owned the full platform behind +100K drivers and riders: 4 native mobile apps (iOS/Android), back-office, support dashboard, backend, AWS infrastructure and public website.
- Scaled the backend to 100M requests a day across HTTP traffic, real-time driver positions and logs, on NestJS, Kafka, MQTT, Redis, Firestore and ClickHouse.
- Led a team of engineers across mobile, backend and DevOps; set up code review, CI/CD on GitHub Actions and Scrum workflows, and took part in executive-level strategic decisions.
- Migrated the legacy Node API to a clean architecture (DDD, CQRS, Hexagonal, Repository pattern, polyglot persistence) with zero downtime while the team kept shipping features.
- Built and delivered end-to-end features, including: hourly driver bookings, logistics services, scheduled rides, referral rewards, an internal notification and campaign management system, and a promotions engine. Led major rebuilds of existing functionality, including a complete redesign of the real-time tracking and driver positioning system, as well as the redesign and rebuild of all four mobile applications and both administrative and customer support back-office platforms.
- Modernized the AWS infrastructure progressively (Docker, Kubernetes, Terraform) without disrupting development or customer experience.

Full Stack & AI Engineer, Independent, Mimrai – Remote (part-time until Oct 2026) 2022 – present

- **blobot** (2026, in progress) | Co-creator of an open-source desktop app that runs the coding agents already installed on a machine (Claude Code, Codex, Cursor) as one team on the same repo: each agent works in its own git worktree and branch, can hand part of a task to a teammate, and can run isolated in a Docker sandbox. Electron, React 19, TypeScript and SQLite on top of the Agent Client Protocol, with five runtime adapters tested against the real CLIs and per-agent permission levels.
- **ZentrumCare** (2026) | Built from scratch a HIPAA-compliant multi-agent platform that takes US families from first contact to a booked pediatric appointment in under 48 hours. 9+ specialized agents cover chat intake, voice confirmation of each child's condition (ElevenLabs), provider matching against the internal network with NPI Registry and Google Places fallback, sales outreach, customer support and booking assistance. TypeScript monorepo (6 apps, 16 packages) on Next.js, tRPC, PostgreSQL/Drizzle, Trigger.dev and Vercel AI SDK; every agent run traced in PostHog (LLM analytics, session replay, error tracking, feature flags); ~60 ADRs.
- **phimn.ai** | Internal AI platform for a structural engineering firm that automates code-compliance calculations: RAG over normative documents combined with LLM reasoning, a web-search subagent and Inngest-based orchestration.
- **mongodb-mcp-vercel** | Open-source read-only MongoDB Model Context Protocol (MCP) server for serverless deployment on Vercel, giving LLM agents governed access to data.
- **Numa365** | React Native mindfulness | Horoscope app with AI-generated meditation sessions delivered end to end as an independent engineer.

Backend & DevOps Engineer, InformageStudio, contracted to Mutter Ventures – Spain (Remote) Oct 2022 – Feb 2023

- Ran AWS infrastructure and maintained backend codebases for a startup incubator/VC firm and a software consultancy.
- Designed backend solutions for new product features under tight delivery cycles.

Backend Lead, Contapp Digital – Dominican Republic (Remote) 2020 – Oct 2022

- Led a backend team building one of the first automated accounting platforms in the Dominican Republic, used by businesses and accountants on web, iOS and Android.
- Shipped the platform's backend and some early AI features: receipt and invoice OCR, AI analysis of a company's accounting data, automatic chart generation and invoice creation.
- Migrated the Express/TypeScript monolith to NestJS microservices (RabbitMQ, Redis) with Hexagonal Architecture, DDD, CQRS and Jest test coverage, so services could be built, tested and deployed independently.

Full Stack Developer, Freelance – Cuba (Remote) 2019 – 2020

- Delivered Shopify stores, CMS-based websites and small internal tools for local businesses and foreign clients on the MERN stack (Shopify, WordPress, Contentful, BigCommerce).

Skills

Languages: TypeScript, JavaScript, Python

Backend: Node.js, NestJS, Express, Hono, tRPC, Next.js

AI & Agents: LLM applications, multi-agent systems, agent orchestration, Model Context Protocol (MCP) servers, RAG, tool calling, prompt engineering, AI gateways (Vercel AI Gateway, OpenRouter, TanStack), Vercel AI SDK, TanStack AI SDK, Trigger.dev, Inngest, Temporal, iii, Restate, Herdr ElevenLabs, LLM observability (PostHog)

AI tooling: Claude Code, Codex, Cursor...

Messaging & Cache: Kafka, RabbitMQ, MQTT, Redis

Databases: PostgreSQL (Drizzle, Prisma), MongoDB, Firestore, ClickHouse

Frontend & Mobile: React, Next.js, React Native, TanStack, Vite, Tailwind CSS, shadcn/ui

Cloud & DevOps: AWS, Docker, Kubernetes, Terraform, GitHub Actions, CI/CD

Architecture: DDD, CQRS, Hexagonal, Microservices, Event-driven, Monorepos

Languages (spoken): Spanish (native), English (professional working proficiency)

Education

Universidad de Camagüey, BS in Civil Engineering – Camagüey, Cuba Sept 2017 – July 2021

- Graduated with honors. Student Research Award (2019).

Universidad Adolfo Ibáñez, Postgraduate Diploma in Communication & Relational Negotiation – Chile (Online) 2020 – 2021

Open Source

- blobot - co-created desktop app that runs Claude Code, Codex and Cursor as one team on a repo, each agent in its own git worktree. Work in progress.
- morphicons - Morph any SVG icon into any other with math, no dependencies. ~2K GitHub stars, 20K+ weekly npm downloads, community ports and integrations.
- translate-kit - npm package that automates i18n setup and maintenance in Next.js with AI.
- nextjs-stripe-store - ready-to-use Next.js + Stripe template.
- Contributor to trigger.dev, T3Code and blobatar.dev.