

Joel Castillo

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US work authorized, no sponsorship required

Skills

Languages: TypeScript, JavaScript, PHP, Python, SQL

Frontend: React, Next.js, React Native (Expo), Astro, Tailwind

Backend: Node.js (Express), Convex, Supabase

Databases: PostgreSQL, MSSQL, Oracle SQL, SQLite, MongoDB

Query builders / ORMs: Kysely, Drizzle

Tooling & Testing: Vite, Webpack, Docker, Git, GitHub Actions, Jenkins, Jest, Playwright

AI engineering: OpenAI API, Anthropic Claude API, Fal AI, Vercel AI SDK, agentic workflows with tool calls

AI-assisted development: Claude Code, Cursor, Codex, ChatGPT

Experience

Senior Full Stack Engineer, Clear C2 Inc.

Coppell, TX | May 2023 to Present

- Technical lead on a Node.js REST API for a major US telecom client. Owned architecture decisions and code review for a team of 5.
- Building AI features for an upcoming marketing product: multi-step email generation pipelines and a chatbot agent that triggers backend API actions through structured tool calls.
- Rewrote significant portions of the PHP backend in Node.js. Reduced p95 response times from 30s to 3-10s. Added 900+ unit tests.
- Migrated the frontend build from Webpack to Vite. Build times dropped from 2 minutes to 10 seconds.
- Built an internal SQL template engine with typed parameter binding. Engineers run prewritten queries safely without writing the validation layer each time.
- Added multi-file and photo upload support to the CRM mobile app. Delivered UI and backend fixes across the PHP and React codebase.
- Built a JSON-schema-driven form builder. Non-engineers create and iterate on forms without code changes.

Founder, Nottifai LLC

Nov 2025 to Present (alongside full-time role)

- Independent SaaS work alongside full-time employment. Three products shipped to date.
- **CardAI Studio:** commercial AI image and video generation platform built on Fal AI. Designed a staged async pipeline (queued generation, polling, SSE) so users can close the tab during long-running generation and return without losing state. Live at cardai.studio.
- **Separalo:** multi-tenant booking SaaS for service businesses. Built on React, TypeScript, and Convex. Covers auth, scheduling, and tenant isolation.
- **Nottifai:** reminder app built with Expo and a Node.js backend for scheduling. Integrated RevenueCat for subscriptions and entitlement gating.

Freelance Full Stack Engineer

Independent, Remote | 2019 to 2023

- Warehouse management application in React and Electron. Supported 100+ concurrent users across 9+ screens for inventory, employees, and warehouses.
- Custom JSON-based data layer handled 1,000+ CRUD operations per request. Views performed well over 10,000+ records.
- 4-month contract at CodeFlakes (Nov 2020 to Mar 2021) on an enterprise SaaS platform. E2E tests in Selenium, unit tests in RSpec.

Education

B.S. Computer Engineering, Universidad Privada Dr. Rafael Belloso Chacin

Zulia, Venezuela | 2016 to 2021