

Jesús Isaac Hernández Valdez

Software Engineer · Fullstack Developer

Navojoa, Sonora, Mexico · Open to remote

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PROFILE

Fullstack developer with a track record of shipping web and mobile applications end to end, from database design to the interface the end user works with. I have built automotive service management, logistics and invoicing systems, along with personal projects taken all the way to production. AI-assisted development —agents, tools, MCP and hooks— is part of my daily engineering process, not an add-on.

AI-ASSISTED DEVELOPMENT

I use AI as part of the engineering workflow, not as autocomplete. I build and configure agents for concrete project tasks: automating reviews, keeping API contracts in sync across repositories and speeding up repetitive work without losing control over the code that ships.

- Agent-based development: defining tasks, context and boundaries so an agent can work on a real repository with sound judgement.
- Custom skills and tools: reusable procedures that capture project knowledge and make it repeatable for the whole team.
- MCP (Model Context Protocol): connecting agents to each project's internal data sources and services.
- Hooks: automating validations and checks that run on their own with every change.

Claude Code · Roo Code · Gemini · MCP · Agents and skills · Hooks

EXPERIENCE

Software Developer · Koud

Remote

- Product development and maintenance within a distributed team, working remotely and autonomously.

Co-founder · Developer · Kybel

- Own venture built alongside a team of three developers.
- Involved at every product stage: scoping, architecture, development and delivery.

Fullstack · Frontend · Backend Developer · Freelance

- Built web applications for automotive service and spare-parts management, covering inventory, work orders and tracking.
- Logistics and invoicing systems for a range of companies.
- Mobile applications delivered end to end, from development through release.
- Worked across frontend, backend or the full stack depending on what each client needed.

Developer · Technical Lead · Navojoa City Council

- Built the citizen reporting application and its administrative dashboard for public servants.
- Led a small development team building additional applications within the same institution.
- Technical coordination: task distribution, code review and team mentoring.

SELECTED PROJECTS

Citizen Reports — Navojoa

Mobile application that lets residents file reports about issues around the city, paired with an administrative dashboard where public servants track and resolve each case.

- Complete solo project: design, mobile development, backend and web dashboard.
- End-to-end flow, from the moment a citizen files a report to the moment the department closes it.
- Deployed to real users inside public administration.

Automotive service & spare-parts management

Web platform for repair shops: spare-parts inventory control, work orders and per-vehicle status tracking.

- Modelled inventory and work orders around a real repair-shop workflow.

Logistics & invoicing

Logistics management and invoicing applications built for several companies.

- Automated administrative processes that were previously handled manually.

TECHNICAL SKILLS

Frontend: TypeScript, JavaScript, Angular, React, Next.js, HTML, CSS, Tailwind CSS

Mobile: Flutter, Dart

Tools & practices: Git, Docker, CI/CD, Agile methodologies, Technical leadership

Backend: Node.js, NestJS, REST APIs, Authentication & authorization (JWT)

Databases (SQL & NoSQL): PostgreSQL, MySQL, MongoDB, Firebase Firestore

AI-assisted development: Claude Code, Roo Code, Gemini, MCP, Agents, Skills, Hooks

EDUCATION

B.Eng. in Software Engineering

Instituto Tecnológico de Sonora (ITSON) — Navojoa Campus

All software development coursework completed. Currently completing the institutional English and cultural-activity requirements.

Courses & certifications

- Claude Code 101 · Anthropic · 2026
- Introduction to AI-Assisted Development · MoureDev · BIG school · 2026