Brian Antonio Jiménez Landa

Full-Stack Engineer · React / React Native · Node.js · PostgreSQL / MongoDB

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Straightforward to hire from the US: direct B2B invoicing or through an EOR

SUMMARY

Full-stack engineer with 3+ years shipping and operating production systems end to end. Since Aug 2025 I have built and run much of the platform of a US-based LPG telemetry company: a multi-tenant React/Node.js operations portal, React Native apps on the App Store and Google Play, a PostgreSQL B2B data API and real-time driver services. In parallel I deliver client systems and run my own products in production. English is my daily working language with US stakeholders.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL
Frontend & Mobile: React, React Native (Expo & bare), Tailwind CSS, TanStack Query, Zustand, Redux
Backend & APIs: Node.js (Express, Fastify), REST API design, Socket.IO, Server-Sent Events, FastAPI
Databases: PostgreSQL (PostGIS), MongoDB (change streams), Redis, MySQL
Testing: Jest, Vitest, node:test, Supertest
Cloud & DevOps: Linux VPS (nginx, pm2, Let's Encrypt), Docker Compose, Git, Firebase, Vercel
AI & Integrations: LLM tool calling (OpenAI-compatible APIs), WhatsApp Cloud API, Twilio, n8n, Google Maps / Routes APIs
Also worked with: Kotlin and Swift (native modules), Java (Spring Boot), PHP (Laravel), Django, MQTT, Drizzle, Mongoose

EXPERIENCE

UrgeGas — IoT LPG Monitoring Platform (US-based)

Full-Stack Developer, remote · Aug 2025 – Present

- **Operations portal.** Rebuilt the company's 2019 multi-tenant web portal from scratch as its lead developer (React + Vite, Node.js/Express, MongoDB), on top of the live legacy database that other systems still share; in production since Feb 2026. Designed the access layer: JWT with refresh, per-tenant query scoping and 34 new permissions mapped onto legacy role codes so existing roles kept working.
- **Production operations.** Deploy and run staging and production on a Linux VPS (nginx, pm2, Docker) with a documented rollback point per release. Shipped a per-organization free trial guarded by a unique index and a concurrency test, added 2-minute health checks with Telegram alerts after tracing an outage to a directory-permission change, and enabled HTTP/2, which cut latency at 48 concurrent requests from 2.7 s to 161 ms.
- **AI assistant (staging).** Designed and built an LLM assistant for the portal with 15 read-only tools, each checked against the user's role: the model only chooses which query to run, while the server computes every figure and builds the answer cards. Streamed over SSE and covered by 70+ unit tests.
- **Administrators' mobile app.** Built from scratch, as sole developer, a React Native + Expo app in strict TypeScript and shipped it to the App Store and Google Play in Jul–Aug 2026: clustered map, tank detail, level and consumption charts, customers, alerts, OTP password recovery, in-app account deletion, Spanish/English and light/dark themes. Wrote an Expo config plugin that generates a Swift SceneDelegate to adopt the iOS UIScene lifecycle.
- **Numbers that match their labels.** Rebuilt the app's consumption engine so totals and chart bars come from one loop and reproduce the customer app's formula with zero numeric error on real sensor data; drew charts with monotone (Fritsch–Carlson) interpolation and percentile-based gap detection, and removed six classes of defects where a figure contradicted its label.
- **Customer app upgrade.** Brought a 2017 React Native codebase that no longer compiled up to RN 0.78 / React 19 through staged 0.68 and 0.72 builds, replacing broken camera, Wi-Fi, map and video libraries, and wrote native ESPTouch Wi-Fi provisioning modules in Kotlin and Swift for sensor setup. Wrapped React Navigation 7 in an adapter so ~145 legacy navigation calls kept working, implemented the redesign with a light/dark theme and raised Android to API 36. On both stores since late 2025.
- **Next-generation customer app.** Built a new gas-ordering app as sole developer (Expo SDK 56, React Native 0.85, strict TypeScript): supplier map, tank-based order builder, live driver tracking over Socket.IO and a two-layer support assistant (offline help plus a streamed LLM chat whose tools only see the signed-in user, including its Express endpoint). First end-to-end version in 6 days; handed off to an external team with 7 onboarding documents.
- **Driver app and live fleet.** Readied the delivery-driver app (Expo) and its Node.js/Socket.IO backend for fleet use: moved the GPS hot path to Redis, added the Socket.IO Redis adapter, moved multi-stop routing to the server (Google Routes API v2) and stopped drivers from vanishing off the live map with a 30 s heartbeat and HTTP fallback. Built the portal's fleet-tracking module (6 endpoints, 41 unit tests).
- **B2B tank-level API.** Built a multi-tenant REST API (Node.js, Express, PostgreSQL 17) that serves enterprise customers each tank's latest reading without exposing proprietary calibration data: MongoDB-to-PostgreSQL ingestion with per-serial allowlists, cross-source dedup and a transactional write-back outbox. In production since Jul 2026, with zero 5xx errors in an 8-day audit on live traffic and 479 automated tests against a real PostgreSQL.
- **Event-driven alerts (prototype).** Designed an alerts service on MongoDB change streams in TypeScript with crash-safe ingestion (fenced lease, commit after processing, oplog-loss backfill): a 2,500-reading staging burst produced 0 lost and 0 duplicate alerts, and a mid-stream SIGKILL test still recorded every reading exactly once.

Independent Full-Stack Developer — concurrent client contracts

Own products and client work in Mexico and LATAM, partly via GALABEX Technologies · Jul 2025 – Present

- Designed and built, as sole engineer, a warehouse, tool and rental-asset platform for an oil & gas services company (React 18 + TypeScript, Express, PostgreSQL 17, Docker; 63 screens, 300+ endpoints): stock by location, PIN-signed checkout vouchers, bar stock consumed by the inch, QR-verifiable tool records and cycle counts. Imported ~1,800 products from the client's master spreadsheet with zero errors; in daily use since July 2026.
- For the same client, ran discovery and monthly milestone reviews, wrote the user guide and technical manual, and ship through backup-first scripted releases with a one-command rollback (23 s of downtime on a Sep 2026 schema migration).
- Built solo a multi-tenant WhatsApp ticketing platform on Meta's Cloud API (own product; Node.js 22, Fastify, PostgreSQL, React 19, Socket.IO), in production since Sep 2026: an in-memory rule engine checks prices and abusive wording in under 5 ms on a 500-item catalog, while the AI copilot reads threads asynchronously and can block a reply only if the tenant opts in. 430+ automated tests.
- Built solo a multi-tenant freight quoting and trip-costing app (Fastify, React 19, PostgreSQL + PostGIS), in production since Sep 2026: it matches Google Routes polylines against 1,376 national toll-plaza points to find every toll on a route; in a demo quote, costing tolls and the empty return turned a displayed 15% margin into a 59% loss. 149 core tests.
- Other contracts (2025–2026): document-control module with approval workflows and PDF/Excel export for a company's Laravel system; MetaMask sign-in and admin platform for a university in Ecuador (Express + React); severance and settlement calculator under Mexican labor law (FastAPI + React); WhatsApp appointment bot for a dental practice (n8n + Node.js + Cal.com).

Grupo Microanálisis — occupational-health laboratory, Mexico

Full-Stack Developer, promoted from data specialist · Feb 2024 – Apr 2025

- Promoted from data validation to developer; principal developer of a four-person team on the STPS industrial-hygiene reporting system (NOM-010 chemical agents, NOM-011 noise): React + Material UI front end on a Django REST API, with per-measurement Excel export. Deployed it and presented it on site.

Insignia IT

Backend Developer (fixed-term university placement) · May 2023 – Nov 2023

- Built RESTful APIs with Java (Spring Boot) and PostgreSQL; contributed React features using DTO/DAO patterns.

EDUCATION

Universidad Tecnológica de Tabasco — **Bachelor of Engineering, Software Development & Management**, 2023–2025 (graduated with honors)
Universidad Tecnológica de Tabasco — Associate Degree (TSU), Multiplatform Software Development, 2021–2023

CERTIFICATIONS

PCAP – Certified Associate in Python Programming · NDG Linux Essentials

LANGUAGES

Spanish (native) · **English — C1**, daily working language with US stakeholders: calls, specs, documentation