Luis Ramón López Gaona

Senior Full Stack Developer | React · React Native · Flutter · Vue · Laravel · Node.js

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PROFESSIONAL SUMMARY

Full Stack Developer with **10 years of experience** building web and mobile products end to end. At Angelpaw, a pet cremation tracking platform for veterinarians, I built the Fetcher platform from scratch and migrated LovingVet's core system from Vue 2 to Vue 3. Specializing in moving legacy systems to modern technologies, building mobile apps with React Native and Flutter, and automating processes with generative AI (Anthropic Claude, OpenAI, Gemini). I focus on measurable results, best practices, and agile methodologies.

TECHNICAL SKILLS

Frontend: React, Next.js, Vue 2/3 (Vue.js), Astro, TypeScript, JavaScript, Tailwind CSS

Mobile: React Native (Expo), Flutter (Flavors / multi-client), App Store and Google Play publishing

Backend: Laravel, PHP, CodeIgniter, Node.js, .NET / C#, Python, Strapi (headless CMS), REST APIs

Databases: MySQL, PostgreSQL, SQL Server, Supabase, Redis

Cloud & DevOps: AWS (S3, Lambda), Docker, Traefik, CI/CD, Git, queues and background jobs

Generative AI: Anthropic Claude API, OpenAI API, Google Gemini (image generation), content automation

Methodologies: Scrum, code review, software architecture

PROFESSIONAL EXPERIENCE

Grupo Óptima — Full Stack Developer

Tijuana, Mexico · October 2022 – Present

- **Migrating the core system from PHP 5 / CodeIgniter to PHP 8 / Laravel** module by module (ongoing, Strangler Fig pattern), using **Traefik** as a proxy so the legacy and new systems run side by side without halting operations.
- **Migrating document storage** (ongoing) from the on-premises server to **AWS S3**.
- **Dockerized the system and established a local → production development workflow**: changes used to be applied directly in production; now they are tested in an identical local environment before every deployment, reducing the risk of live errors.
- **Integrated AI-powered resume analysis**, comparing each candidate against the job description to speed up candidate selection.
- **Automated attendance reports** with scripts and scheduled tasks in CodeIgniter, **cutting preparation time by 90%** (from hours to minutes).
- **Designed the automated pre-payroll calculation**, integrating multiple data sources; it eliminated manual consolidation and reduced calculation errors.
- **Modernized the legacy frontend with React micro-frontends**, integrating them gradually into key modules without halting operations and speeding up the delivery of new features.
- Developed **React Native mobile apps** to verify field staff attendance in real time, replacing manual checks.
- Developed **Control Indicadores**, a mobile app (Expo) with per-branch KPI dashboards, PDF reports, and push notifications via Firebase.
- Created a **digital business card (vCard)** for staff as a mobile and web app (Expo + Express): a profile for each employee with a QR code and direct saving to the phone's contacts.
- Built a **self-service digital kiosk** in Next.js connected to a React admin dashboard, with full traceability of internal requests.
- Extended the Human Resources system (PHP / CodeIgniter) with new modules that improved its stability and scalability.

Angelpaw — Full Stack Developer (Contractor)

Remote · February 2022 – February 2026

Pet cremation tracking platform for veterinarians and crematories in the United States and other countries. Its products include LovingVet and Fetcher.

Fetcher — practice management software for house-call veterinarians (scheduling, routing, patient records, payments, and controlled substance tracking)

- **Designed and built the web platform and its mobile app from scratch**, from the architecture and data model through production deployment.
- Built the mobile app that lets veterinarians schedule visits and purchase medications directly from the platform.

LovingVet — in-home euthanasia and veterinary care service

- **Migrated the core admin system from Vue 2 to Vue 3** (Laravel backend) without disrupting daily operations; it includes modules for controlled substances, per-branch scheduling, and equipment tracking.
- **Developed an AI virtual veterinarian**: a guided video-call consultation with an AI-generated avatar that integrates photo-based health analysis and delivers the results and recommendations to the pet owner.
- **Migrated the legacy Operators and Drivers apps** to React Native (Expo), improving performance, geolocation, and real-time notifications.
- Implemented background processing with Laravel Queues + Redis for bulk medical-record uploads, notifications, and syncing, **cutting wait times by more than 70%**.

Angelpaw Mobile Apps

- Developed the **veterinarian app** (Expo + Laravel) for appointments, patients, medical history, and vaccines, **used daily by more than 50 veterinarians** in the field.
- Built a **front-counter sales app** for veterinary clinics to choose cremation packages and memorial items.
- **Upgraded the Flutter apps** from version 1.17 to 3.35 (including the null safety migration) and implemented **Flavors** to generate client-specific versions from a single codebase.
- **Developed an AI image-based health analysis microservice**, integrated into the app: it checks that the photo is sharp and contains an animal, evaluates each area (eyes, ears, nose, paws, etc.), and generates a health estimate with suggestions, recommending a vet visit when the result is low.
- Implemented pre-upload image compression that reduces file size without losing the sharpness and detail needed for analysis.
- Integrated the OpenAI API into the veterinarian app to analyze clinical forms and generate automated recommendations.

CMS and AI Automation

- Developed a **CMS for veterinarians with Astro and Strapi** so each clinic can manage its own website content.
- **Automated content publishing to Instagram, Facebook, X, and the CMS**: text is generated with the Anthropic (Claude) API and images with Google Gemini (Nano Banana), eliminating manual post creation.
- Implemented role-based access control (RBAC), clinical file storage on AWS S3, and continuous deployment with Docker.

PagoCheck — Full Stack Developer

Tijuana, Mexico · August 2021 – February 2022

- **Rebuilt the payment kiosk frontend** with React and Tailwind CSS, **reducing interaction errors by 40%** and improving speed and accessibility.
- Integrated multiple REST APIs from payment collection providers and financial institutions for real-time validation of services, receipts, and payments.
- Implemented frontend and backend validations that increased the transaction success rate, and improved kiosk monitoring and logging in high-traffic locations.

Sirecsa .Net — Developer

Celaya, Mexico · March 2017 – October 2018

- Developed point-of-sale (POS) modules with .NET and SQL Server: inventory, cash register closeout, invoicing, and ticket validation across multiple branches.
- Designed sales and productivity reports to support the administrative team's decision-making.

Alio México — Developer

Celaya, Mexico · January 2016 – February 2017

- Developed automated customer service bots on Facebook Messenger with Node.js and webhooks to answer frequently asked questions and generate leads.
- Built internal tools in PHP and JavaScript to automate reports, emails, and order tracking.

INDEPENDENT PROJECTS

Velkor Games — Indie mobile game studio

2026

- Designed, developed, and **published several casual games** with React Native + Expo: ColorTap (App Store and Google Play), WordCross and Zoodoku (App Store); Wordlark coming soon. Monetized through ads and a premium subscription.
- Built **PlayCore**, a shared backend on Laravel 13 + PostgreSQL + Redis: passwordless login (Google, Apple, guest) with token rotation, cloud saves, leaderboards, achievements, and purchases, isolated per game.
- On-device level generation with a unique solution, 3D rendering with three.js, and AI-generated assets and icons (Gemini / Nano Banana).

Onoraa — White-label multi-tenant SaaS for beauty studios

2025

- Started as a system for a beauty salon, which I evolved into a **white-label multi-tenant platform** with a dedicated subdomain for each studio.
- Stack: Laravel 12 + Next.js 16 / React 19, PostgreSQL, Redis (caching and queues), WebSockets with Laravel Reverb, and S3-compatible storage (MinIO).
- Infrastructure with Docker and Caddy (automatic HTTPS), with a staging environment identical to production.

Online clothing and bag store — E-commerce with an admin panel

2026

- Storefront and admin panel in Next.js 16 + PostgreSQL (Drizzle ORM), live in production.
- **Automatic catalog sync from two wholesale suppliers** using fault-tolerant scheduled jobs.
- Notifications via **WhatsApp and email** using the outbox pattern within the same transaction as the order or payment.
- **CI/CD**: every merge to main runs the tests, publishes the Docker image, and deploys.

EDUCATION

B.S. in Computer Systems Engineering — Tecnológico Nacional de México, Celaya campus · 2022

LANGUAGES

Spanish: Native · **English:** A2, actively improving through formal classes