Juan Andrés López

Software Engineer

I build cloud platforms, automation and monitoring. Today that means the e-commerce behind ~400 Farmatodo stores in Venezuela and Colombia.

Caracas, Venezuela · EU citizen · Open to relocation

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~2,000
Concurrent POS terminals, Visor de Caja

~400
Stores on the platform, Venezuela and Colombia

−70%
Manual work on daily cash closings

4,400+
Monthly visits, El Chamba Hub

About

Software engineer with 4+ years on Google Cloud and AWS. I like systems that stay up, and the data that proves it.

At Farmatodo I work on the platforms behind its e-commerce: performance, observability, CI/CD and real-time systems for store terminals. Before that I led automation for the finance and treasury team.

Earlier, I built mobile and web products for companies in the US and Venezuela. I hold a Spanish passport and I am ready to move to Europe.

Universidad Metropolitana
Systems Engineering, 2017–2022

Kubestronaut path
In progress via KodeKloud: CKA, CKAD, KCSA, CKS

Languages
Spanish, native. English, professional.

Work

2025 — now
Farmatodo
Caracas

Senior Product Engineer

Cloud performance for multi-country e-commerce on GCP. Millions of monthly users across ~400 stores.

- Architected “Visor de Caja”, a real-time POS display for ~2,000 concurrent terminals, with Supabase Realtime, Angular SSR and Spring Boot. Formal SDD, three iterations with staff review.
- Led the frontend of Creditodo (FarmaCash), Farmatodo’s buy now, pay later product, with full SDD documentation.
- Integrated PageSpeed, Clarity, Google Profiler and Trace to drive Core Web Vitals work.
- Built MCP agent workflows that write technical documentation from GitHub PRs.
- Led a data breach investigation: attack vector analysis and incident documentation.
- Run CI/CD with Cloud Build and Cloud Run.

GCP · Angular SSR · TypeScript · Supabase · Spring Boot · Cloud Build · Cloud Run

2024 — 2025
Farmatodo
Caracas

AI & automation

Automation and AI for Finance and Treasury across 200+ stores in LATAM.

- Built a treasury platform that joins several banking APIs, centralizes balances and automates daily reconciliation.
- Built a reconciliation portal on Oracle EBS and REIM, over GCP VPC and Cloud Functions, with AI suggestions for unmatched transactions.
- Designed an inventory adjustment system that reads supplier and SKU data from store PDFs with OCR and NLP.
- Architected the self-checkout Angular PWA, with multi-country cart logic.

Cloud Functions · Oracle EBS · Angular PWA · OCR / NLP · Python

2022 — 2024
Glewee
Tampa, remote

Mobile platform

A mobile platform that connects brands with creators for influencer campaigns, on AWS.

- Built the cross-platform app with React Native and a Django REST API.
- Added real-time analytics with Amplitude: +30% creator participation.
- Data-driven UX changes: +25% user retention.

React Native · Django · AWS · Amplitude

2021 — 2022
Akaya

Manga library

Built a full-stack manga library: Laravel API, React reader, AWS and S3 delivery.

Laravel · React · AWS · S3

2020 — 2021
Continuum Health

Health app

Built a cross-platform health app: React Native for iOS and Android, Spring Boot services, HIPAA-conscious data handling.

React Native · Spring Boot

Side project
El Chamba Hub
Co-founder, technical lead

El Chamba Hub

Pricing data for creative freelancers in Venezuela, a market with no public rates.

- Took it from idea to live product: 4,400+ monthly visits from Instagram and MailerLite campaigns.
- Designed a freemium model with a phased move to paid tiers.
- Used Microsoft Clarity heatmaps, scroll depth and rage clicks to iterate on UX.
- Exploring B2B pricing tools for agencies with Talent Booth.

Next.js · Supabase · Vercel · MailerLite · Clarity

Certifications

Google Cloud	**Professional Cloud Architect**
Google Cloud · 2025	**Associate Cloud Engineer**
The Linux Foundation	**Kubernetes and Cloud Native Associate**

Tools

Cloud & DevOps

GCP (Cloud Build, Cloud Run, Cloud Functions, BigQuery), AWS (Lambda, S3), Docker, Kubernetes, Terraform, CI/CD.

Development

TypeScript, Python, Angular SSR, React, React Native, Next.js, RxJS, Django, FastAPI, Spring Boot, Laravel, Supabase.

Observability

Clarity, PageSpeed, Google Profiler, Google Trace, Amplitude, GCP Operations Suite, Core Web Vitals.

AI & automation

MCP agent workflows, Claude Code, Playwright MCP, Google AI Studio, OCR, NLP, real-time ETL.