

Marco Lee

Applied AI Engineer

AI agents · LLM integrations · Backend & product engineering · Native iOS & Android

📍 Guatemala (UTC-6) · Remote, US hours · English C1 ☎️ +502 3034 2686 ✉️ marco@solutionslee.com 🔗 linkedin.com/in/marcoleejr
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Profile

Applied AI Engineer with 12+ years taking software to production. I led engineering for Guatemala.com's media network (5M+ monthly users, auto-scaling AWS) until March 2026. Today I design, build, and operate AI agents, LLM integrations, and native apps in my own products, and I work with coding agents every day. As an industrial engineer with a postgraduate in quality standards, I tie AI to process improvement and measurable results. Open to senior Applied AI roles and contracts, remote on US hours.

Using AI tools since 2023 · 46.6B tokens processed across 9 AI tools in 2026, measured from my own usage logs.

Experience

- Technology & Development Coordinator / Tech Lead** Jun 2020 — Mar 2026
Guatemala.com
 - Scaled multi-brand content platforms to 5M+ monthly users on auto-scaling AWS.
 - Drove the backend migration from monolithic WordPress to headless WordPress + NestJS APIs.
 - Owned ad systems, performance, and the backend across the network — work tied directly to ad revenue.
 - Led adoption of AI-assisted development workflows across the remote engineering team: rollout, mentoring, and day-to-day change management.
- Full-Stack Developer** Sep 2015 — Jun 2020
Guatemala.com
 - Built Laravel REST APIs and data models for multi-brand media properties, with React/JavaScript frontends on top.
 - Shipped web + hybrid mobile products on high-traffic LAMP/WordPress systems at scale.
 - Delivered continuously at media scale for five years.
- Founder & Product Engineer** 2018 — Present
Independent Products
 - Design, build, and operate independent products end to end, owning their P&L: ad revenue (AdSense), hosting and AI costs, and growth metrics in GA4 and Search Console.
 - Published Ring Light Mirror on the App Store (iPhone, iPad, Mac, SwiftUI), with an Android version in Kotlin + Jetpack Compose, using an AI-assisted engineering workflow.
 - Shipped GamingLab in 6 languages and agente-ia.dev, a paid course platform about AI agents.
 - Launched Códice, a Guatemalan law reader with 9,000+ articles, and built a personal iOS mail client with AI triage and phishing detection.
- Web Developer** Jan 2014 — Sep 2015
XYZ Network Inc
 - High-traffic LAMP/WordPress delivery for brands including Star Media.
 - Frontend and backend feature work under production load.

Applied AI — built and operated

Multi-model agent platform
LLM orchestration · VPS · Telegram
Autonomous cloud agent with provider routing, cost-aware model selection, and task orchestration; my daily operations agent.

Remote subagent coordination
Multi-agent · Linux
Coordinator that dispatches remote coding subagents to work in parallel, with reviews and hand-offs.

Mail for iOS
SwiftUI · Gmail API · Vercel · LLM
Native email client; its serverless backend triages importance with rules plus an AI model, flags phishing, sends push, and summarizes threads.

Automated podcast pipeline
Node.js · TypeScript · TTS
Daily pipeline: scraping, AI-assisted scripting, text-to-speech audio, and publishing.

Skills

Applied AI
Claude API · OpenAI · Gemini · agents and tool use · multi-model routing · prompt design · TTS · Claude Code · Codex

Process & business
Continuous improvement · quality · KPIs and P&L · AI adoption and change management

Backend
Laravel · NestJS · Node.js · REST · PostgreSQL · MySQL · Redis

Frontend
React · Next.js · TypeScript · Tailwind CSS

Mobile
Swift / SwiftUI · Kotlin / Jetpack Compose · React Native · Ionic

Cloud & CMS
AWS (CloudFront, EC2, S3, Lambda) · Google APIs (Gmail, Pub/Sub, Calendar) · Vercel · Docker · CI/CD · WordPress headless

Independent products

codicegt.com
Guatemala's laws as structured text: 43 laws, 9,109 articles, search by situation. Astro + Python pipeline.

Ring Light Mirror
Native app live on the App Store (iPhone, iPad, Mac; SwiftUI). Android in Kotlin + Jetpack Compose, in Google Play testing.

agente-ia.dev
Course platform about AI agents. Next.js + Turso.

calculfast.com
SEO-first finance calculators for Guatemala and Central America. Next.js.

gaminglab.dev
80+ browser games in 6 languages, AdSense-approved.

Education

B.S. in Industrial Engineering
Galileo University, Guatemala · 2013 — 2017

Postgraduate in Quality Standards
Galileo University, Guatemala · 2017 — 2018

Languages

Spanish: native · English: C1, professional