CRISTOPHER RIVERA

Fullstack Developer | AI Agents and LLM Systems

Chihuahua, Mexico (CST, UTC-6, full overlap with US time zones) | Open to remote roles, full-time or part-time
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SUMMARY

Fullstack developer and former mechanical engineer who builds products end to end: frontend, backend and the AI agents in between. I ship multi-agent LLM pipelines in TypeScript and Python with hard cost discipline (tool-use loops, prompt caching, model routing) plus the Next.js products that run on top. Founder of Pikiee, an AI lead-research SaaS live in production, and an independent developer and AI consultant for pharma, clinical-lab, energy and fintech clients.

PROFESSIONAL EXPERIENCE

Founder and Lead Developer - Pikiee (own product, pikiee.com)

Chihuahua, Mexico (remote) | Apr 2026 - Present

- Built a multi-agent LLM pipeline (discovery, triage, research, copywriting) that turns an ideal-customer profile into scored leads with ready-to-send outreach; the research agent runs a tool-use loop (site fetch, intent signals, activity checks) capped at 8 iterations.
- Run the engine as durable Trigger.dev tasks: a per-tenant campaign orchestrator fans out to research and copy queues (15 and 10 concurrent) under a hard per-campaign cost ceiling, with single-attempt tasks so a retry never re-pays LLM spend.
- Cut per-lead LLM spend with prompt caching and multi-model routing (Claude Sonnet for research, Haiku for batch triage and scoring), with per-lead cost accounting persisted in MongoDB.
- Migrated the engine off a self-hosted Python/FastAPI worker on edge hardware (asyncio, crash-resumable state) to serverless tasks, adding self-healing of stalled jobs and a nightly ledger-reconciliation job.
- Shipped the full product: multi-tenant Next.js 15 SaaS with magic-link auth, ICP builder, lead CRM with outreach tracking, Stripe credit billing backed by a ledger, and a daily email digest.
- Ran production incident response: traced a fail-open auth path that had allowed around 60 fraudulent sign-ups, shipped an allowlist guard and verified the fix against live logs and the database.

Independent Software Developer and AI Consultant - Self-employed

Chihuahua, Mexico | Jun 2026 - Present

- Defined the architecture and closed a 480,000 MXN (approx. 27,000 USD) quoting and commercial-management platform for a pharmaceutical distributor, integrated with their Microsip ERP for live pricing and stock; delivered with a three-person team.
- Technical lead for a three-branch clinical laboratory: audited internal repositories, fixed calculation bugs in their productivity-bonus engine with test coverage, and authored the DigitalOcean deployment and server-hardening runbooks their team executes.
- Deliver a one-on-one AI and software engineering program on monthly retainer for a company director: terminal, Git, Next.js, MongoDB, APIs and agent tooling, from zero to systems he deploys himself.
- Audited a 14,700-line React Native/Expo BLE wearable app, reverse-engineering the device protocol from a decompiled APK, and produced the publication-blocker report and phased remediation plan.

AI Engineer - Remotto.ia

Remote | Mar 2025 - Jun 2026

- Shipped a lead-scraping and automatic-scoring pipeline that lifted lead quality by 30 percent.
- Built a candidate search-and-scoring system that streamlined hiring through data integration, and an automated personalized-copy generator that raised campaign response rates by 25 percent.

SELECTED PROJECT

Prophitia - Private Real-Estate Deal-Flow Platform (prophitia.com)

Founder and Lead Developer

Invite-only investment platform with institutional-grade analysis (ROI, cap rate, NOI, DSCR) benchmarked against Mexico's live risk-free CETES rate. Split the architecture so the LLM produces vetted underwriting assumptions once at publish time and the runtime is a deterministic, zero-LLM finance engine with no per-calculation AI cost. Next.js 15, React 19, MongoDB, Anthropic SDK, Banxico SIE API, Stripe.

EDUCATION

B.Eng., Automotive Mechanical Engineering | Universidad Politecnica de Chihuahua, Mexico | 2025

Certification: Escuelita Maker (28-day startup accelerator), Cluster de Tecnologia de Chihuahua | 2025

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL
AI and LLM: Anthropic Claude SDK, OpenAI API, multi-agent orchestration, tool use and function calling, agentic loops, prompt caching, model routing, cost optimization, JSON schema design, RAG, MCP
Backend: FastAPI, Node.js, REST APIs, MongoDB, Mongoose, asyncio, background workers, webhooks, Trigger.dev
Frontend: Next.js 15, React 19, Astro, Tailwind CSS, React Native and Expo
Infrastructure: Vercel, DigitalOcean, Docker, Git and GitHub, Linux, SSH, NVIDIA Jetson, systemd
Integrations: Stripe, Apify, Resend, NextAuth, Microsip ERP, Facturama (CFDI 4.0), Banxico SIE API

LANGUAGES

Spanish (native) | English (professional working proficiency)