

DAVID ELIAS PALACIO

FULL STACK SOFTWARE ENGINEER

PROFILE

Full Stack Software Engineer with 3+ years of experience architecting and delivering production-grade web applications at scale. Expert in React, Next.js, TypeScript, and Node.js, with deep experience in Web3/blockchain integrations and cloud-based deployments.

CONTACT

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SKILLS

Python	RAG
AI Agents	Prompt Engineering
LLM Evaluation & Observability	MLflow
Vector Databases (pgvector)	MCP (Model Context Protocol)
React	TypeScript
Next.js	Node.js
JavaScript	NestJS
Tailwind CSS	GraphQL
Redux	REST APIs
Zustand	PostgreSQL
HTML5 & CSS3	MongoDB
Docker	AWS
Ethers.js	Web3.js
Git	CI/CD
Jest	Cypress
GitHub Actions	Vercel

LANGUAGES

Spanish: Native
English: C1 (Advanced)

SOFT SKILLS

- Technical Leadership
- Cross-functional Collaboration
- Problem Solving
- Ownership & Autonomy
- Adaptability

EXPERIENCE

- Full Stack AI Engineer - CooWeb LLC**
APR 2026 - PRESENT
- Software Engineer (Frontend / Web3) - Cryptomex**
JUN 2024 - MAR 2026
- Full-Stack Software Engineer - Virtual Tech**
FEB 2024 - JUN 2024
- Full-Stack Developer - Freelance**
NOV 2023 - FEB 2024
- Junior Software Engineer - Somos Blumer**
JAN 2023 - OCT 2023

PROJECTS

- VotoLoco - Tech Lead & Backend Architect**
2026 · [votoloco.com](#)
Civic-tech platform - 100K+ visits, 14K+ tests, 50K+ views.
- SkipFee - Founder & Lead Engineer**
2026 · [skipfee.co](#)
WhatsApp-commerce SaaS - automated 150+ orders/day, live & billing.
- MedSim - Full Stack Developer**
2026 · [Hackathon Winner](#)
AI medical-care web app - Cursor AI hackathon winner.

CERTIFICATIONS

- Databricks Academy Accreditation – Generative AI Fundamentals**
2026
- Databricks Academy Accreditation – Databricks Fundamentals**
2026
- Databricks Certified Generative AI Engineer Associate**
In progress · Expected Aug 2026
- Anthropic Claude Certified Architect (CCA) – Foundations**
In progress · Expected Sep 2026

EDUCATION

- Udemy / Alchemy University**
2022 - 2024
React, Next.js, TypeScript, NestJS, Node.js, REST APIs, Web3, Testing
- Focus Your Mind Academy / Universidad del Atlantico**
2023 - 2025
English C1 (Advanced) - English Program (3 Semesters)

DAVID ELIAS PALACIO

D E T A I L E D E X P E R I E N C E

Full Stack AI Engineer

CooWeb LLC · Full-time

Remote · Apr 2026 - Present

- Lead **3 concurrent products** end-to-end — owning architecture decisions, code reviews, and delivery — while mentoring junior engineers and setting engineering standards across teams.
- Engineer the launch platform for a **New York-based client** in a high-concurrency niche with a real-time, Uber-style dispatch design that holds peak load with **zero downtime**.
- Designed and built an **LLM observability and evaluation** system across 3 production products — tracking per-model usage, cost, and quality (evals), on track to reduce AI spend by **~35%**.
- Ship full-stack applications end-to-end — React/Next.js front ends, backend APIs, and database layers — with LLM APIs and agentic features as a core part of the product.
- Architect agentic systems and RAG pipelines with LLM APIs that orchestrate tool use, retrieval, and business logic.

Software Engineer (Frontend / Web3)

Cryptomex · Full-time

Remote · Jun 2024 - Mar 2026

- Built the **Web3 frontend** (React, Next.js, TypeScript) that connected directly to **TRON smart contracts**, replacing a manual review step that delayed deposits by **1-2 days** with on-chain validation that confirmed payments in the UI in **~0.5 seconds**.
- Integrated the smart-contract validation flow into the user-facing recharge experience, removing the human bottleneck and helping grow average monthly recharge volume from **~1,500 to ~7,000** per month (**≈4.6x**).
- Owned the frontend domain of a production-grade platform, driving architectural decisions and ensuring scalable, maintainable, and high-performance user experiences built with React, Next.js, and TypeScript.
- Designed and implemented a modular, feature-driven architecture to support long-term product scalability, improve developer velocity, and reduce technical debt.
- Architected and optimized complex data flows across multiple internal and external services, ensuring reliability and seamless user-facing interactions.
- Led performance optimization initiatives, refining rendering strategies, state management patterns, and API orchestration to enhance responsiveness and system efficiency.
- Partnered cross-functionally with product managers, designers, and backend engineers to translate business requirements into scalable technical solutions.
- Drove UX improvements across accessibility, consistency, and usability in core application workflows.

Full-Stack Software Engineer

Virtual Tech · Full-time

Barranquilla, Colombia (Remote) · Feb 2024 - Jun 2024

- Delivered end-to-end full-stack features using React, TypeScript, and RESTful services, ensuring seamless integration between frontend interfaces and backend systems.
- Drove cross-functional alignment between frontend and backend teams, aligning API design, data contracts, and implementation to ensure consistent and scalable data flows.
- Partnered directly with clients and stakeholders to translate business requirements into production-ready technical solutions with long-term scalability in mind.
- Took full ownership of feature lifecycles — from requirements analysis and system design to implementation, testing, and production release.

Full-Stack Developer (Freelance)

Freelance | Self-Employed · Full-time

Remote · Nov 2023 - Feb 2024

- Partnered directly with startups and small businesses to design, architect, and deliver production-ready web applications from concept to launch.
- Led end-to-end development across frontend and backend layers, making architectural decisions that prioritized scalability, maintainability, and performance.
- Designed and implemented RESTful APIs and integrated third-party services to support business-critical workflows.
- Managed full deployment lifecycle, including cloud configuration, environment setup, and release processes.

Junior Software Engineer

Somos Blumer · Full-time

Barranquilla, Colombia (On-site) · Jan 2023 - Oct 2023

- Strengthened foundations in frontend and backend development through hands-on training and real project contributions.
- Assisted in the development and maintenance of application features under the guidance of senior engineers.
- Participated in debugging, testing, and code reviews to improve code quality and reliability.
- Adopted new technologies and tools quickly, demonstrating a strong learning mindset and adaptability.

P E R S O N A L P R O J E C T S

VotoLoco — Tech Lead & Backend Architect

Civic-tech platform · [votoloco.com](#)

Personal Project · 2026

- Led architecture and backend for a civic affinity-test platform for Colombia's **2026 presidential elections**, measuring voter alignment with candidates across 10 thematic axes.
- Scaled to **100K-150K visits** and **14,000+ completed tests**, sustaining a peak of **~1,200 concurrent users** under load testing while maintaining **99% uptime**.
- Ran the entire production stack on **under \$10/month** in infrastructure through efficient architecture and background processing.
- Reached **50,000+ views** and earned national radio coverage; the data model anticipated first-round outcomes across much of the country.
- Architected background match processing (Redis + Bull queues) and used LLMs only to parse government-program PDFs, keeping affinity scoring as deterministic, pure-math computation.

Stack: Next.js + TypeScript + Tailwind (Vercel) · NestJS (Railway) · Supabase with RLS · Redis + Bull · Claude (PDF parsing)

SkipFee — Founder & Lead Engineer

WhatsApp-commerce SaaS for restaurants · [skipfee.co](#)

Personal Project · 2026 · Active

- Built a WhatsApp ordering platform that scaled a restaurant client from manually handling **~20 orders/day** to automating **150+ orders/day** — now onboarding additional clients.
- Core value: lets restaurants sell directly over WhatsApp without the **20-30% commissions** charged by delivery apps (Rappi / Uber Eats).
- Delivered the full operation end-to-end: WhatsApp ordering bot, kanban order board, kitchen display, dispatch & route optimization, Wompi payments, and post-sale surveys.
- Re-architecting the product into a **multi-tenant SaaS** to onboard ~50 restaurants from a single shared platform.
- **Live and revenue-generating**, with a production marketing site, pricing, and self-serve onboarding.

Stack: Next.js 16 (App Router, SSG) · NestJS · Multi-tenant SaaS · WhatsApp bot · Wompi payments · Route optimization

MedSim — Full Stack Developer

AI medical-care web app · Hackathon Winner

Personal Project · 2026

- Built an AI-powered medical-care web app, **winner of a Cursor AI hackathon**.
- Developed "Guardia Nocturna," a 7-step medical decision RPG with dynamic patient metrics, a reactive SVG avatar with 5 emotional states, and an AI-generated final report.
- Built an interactive symptom checker with an SVG body map, pain assessment, and urgency triage.

Stack: Next.js 16 (App Router) · React 19 · TypeScript · Tailwind v4 · GPT-4o · TTS