DAVID JULIÁN JARAMILLO

Full-Stack & AI Engineer

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PROFESSIONAL SUMMARY

Full-Stack & AI Engineer with 3+ years of experience architecting high-performance web applications, resilient enterprise microservices, and autonomous AI pipelines. Proven track record deploying production systems with Next.js, FastAPI, NestJS, and Docker/Dokploy, plus deep hands-on expertise building enterprise RPA workflows for Fortune 500 healthcare and agro-industrial clients (Colmédica, SAP S/4HANA). English C1 fluent for global remote teams.

CORE COMPETENCIES & TECHNICAL SKILLS

Frontend & SSR:	Next.js 15 (App Router), React, TypeScript, Astro, Tailwind CSS, State Management, Responsive UI
Backend & APIs:	FastAPI (Python 3.11), NestJS, Node.js, Express, PostgreSQL, SQLite (sql.js), RESTful & SOAP XML
AI & Autonomous Agents:	Google Cloud Gemini API, Agent Development Kit (ADK), Multi-Agent Swarms, Tool Calling, RAG
Enterprise Automation:	Python Scripting, Playwright, Rocketbot RPA, SAP S/4HANA Cloud Fiori, SOAP CDATA Packaging
DevOps & Cloud:	Dokploy, Docker, Google Cloud Platform (Cloud Run), Git/GitHub CI/CD, Linux Server Ops

WORK EXPERIENCE

Full-Stack & Automation / AI Engineer — 100Digital S.A.S.

May 2023 – Present · Bogotá, CO

- **Full-Stack Architecture:** Engineered decoupled clinical and business systems (NestJS, SQLite, Next.js) automating patient outreach via WhatsApp/SMS bridges and eliminating doctor double-booking.
- **ERP Integration Microservices:** Built high-speed FastAPI asynchronous worker queues containerized via Dokploy and Docker for seamless third-party transactional sync directly into corporate ERP databases.
- **Enterprise RPA (SAP S/4HANA & Colmédica):** Authored robust transaction robots with virtual DOM traversals over SAP Fiori and SOAP XML architectures. **Passed 100% of corporate security audits** with zero data encoding faults across thousands of operations.
- **AI & Generative Pipelines:** Designed automated customer assistant workflows and LLM-powered backend processing deployed on Google Cloud Run with sub-second latencies.

Founder & Full-Stack Engineer — Constelación FinTech (tasasclaras.com)

2024 – Present · Personal Flagship

- **High-Speed SSG Architecture:** Built and deployed a multi-region financial analytics platform with 105 pre-rendered static routes using Next.js 15, TypeScript, and Dokploy, achieving a 5.3s clean build pipeline.
- **Client-Side Engine:** Programmed instant financial yield calculators for CDTs and stock dividends across Colombia and Ecuador with dynamic currency parity (COP/USD TRM).

CERTIFICATIONS & VALIDATED CREDENTIALS

Develop GenAI Apps with Gemini and Streamlit	Google Cloud (Credly Verified)
Build Agents with Agent Development Kit (ADK)	Google Cloud
Introduction to AI Agents & MLOps for Generative AI	Google Cloud

EDUCATION & LANGUAGES

Education:	Software Engineering / Technologist in Software Development (SENA / University Pathway)
Languages:	**English:** C1 (Full professional fluency, global remote) · **Spanish:** Native