Cristian Camilo Jaramillo Rojas

Medellín, Colombia | +57 3053652022 | criscajaro@gmail.com | LinkedIn | Portfolio

Education

Institución Universitaria Pascual Bravo Medellín, Colombia
Software Engineering (8th Semester) 2022 – Present

EAFIT Medellin, Colombia
Program: Data Scientist - Basic Level 2022

Professional Experience

JHOKER SPORT S.A.S. Medellín, Antioquia
Automation & Data Systems Developer (Freelance) August 2025

- Engineered a scalable production control system in Google Sheets, centralizing manual processes via key Google Apps Script functions that automated data aggregation and workflow management.
- Automated the creation of production order modules, drastically reducing configuration time by dynamically generating linked Google Forms and Sheets.
- Designed 3 automated BI dashboards using advanced QUERY and ARRAYFORMULA functions, providing real-time tracking of operator efficiency and module performance.

JHOKER SPORT S.A.S. Medellín, Antioquia
Project Lead & Full-Stack Developer (Freelance) April 2025 – May 2025

- Led the full lifecycle of an inventory management project, from requirements analysis to production deployment, delivering a robust solution aligned with strategic objectives.
- Architected a full-stack solution with a centralized database and robust security (JWT and RLS), establishing an EAN-13 code identification system as the single source of truth.
- Implemented a dual inventory registration system (manual and scan-based) that minimized dispatch errors and significantly optimized search times.

Engineering & AI Architecture Portfolio

Social Connect PWA (Personal Project) Medellín, Antioquia
Full Stack Developer October 2025 – Present

- Architected and developed a progressive web app (PWA) using React 19, Vite, and Tailwind CSS 4, deploying the solution to Web and Android environments via Capacitor.
- Engineered a security module ('The Vault') implementing client-side AES encryption with crypto-js to protect sensitive data privacy.
- Implemented a 'Local-First' synchronization architecture with queue management and conflict resolution, ensuring offline data integrity.
- Integrated Supabase for authentication management, media storage, and PostgreSQL, optimizing session persistence.

AI & Automation Ecosystems Medellín, Antioquia
AI Agent Architect August 2025 – Present

- Orchestrated an ecosystem of 19 AI agents, developing Chain of Thought processes to automate content marketing campaigns.
- Designed a processing chain of 5 agents that transforms unstructured data into optimized HTML resumes, ensuring autonomous execution.
- Forged a monolithic generative agent (Gemini) that synthesizes 4 video scripts and vocal archetypes in a single execution.

- Established a canonical JSON schema for inter-agent data exchange, ensuring frictionless integration.

Milov AI   Medellín, Colombia
Frontend Architect   2025 – Present
- Architected a modular and reusable component system based on shadcn/ui and TypeScript ensuring scalability.
- Implemented advanced animations integrating GSAP to elevate interactivity and visual appeal.
- Integrated full internationalization (i18n) allowing dynamic language switching for global reach.

Generative AI Pipeline (GCP)   Medellín, Antioquia
Cloud & Backend Architect   June 2025 – July 2025
- Deployed a self-hosted automation platform on Google Cloud Platform, orchestrating a dual Docker environment that reduced operating costs by 90% (from $50 to $5/month).
- Architected an end-to-end video pipeline, implementing parallel processing and utilizing Google Transcoder API.
- Eliminated FFMPEG rendering failures by designing a strict timestamp normalization protocol.

Notiplay   Medellín, Antioquia
Full Stack Developer (React & Supabase)   August 2025 – November 2025
- Architected and deployed a news SPA using the modern React, Vite, and Tailwind CSS stack.
- Implemented a backend ecosystem with Supabase, orchestrating OAuth authentication, PostgreSQL, and RLS security.
- Engineered a robust gamification system with contextual trivia, animated Leaderboards, and a rewards market.

LinguaFlow   Medellín, Antioquia
Full Stack AI Developer   September 2025
- Designed a translation web app using React and Node.js (Fastify) with decoupled architecture.
- Integrated Google Gemini 2.5 Flash via Vercel AI SDK for detection and simultaneous translation to three languages.
- Implemented strict schema validation with Zod on the backend to ensure data integrity.

Project Estimation AI (Academic)   Medellín, Colombia
Author & Developer   November 2025
- Implemented a Monte Carlo simulation with 20,000 iterations using Web Workers in React/TypeScript architecture.
- Designed an Artificial Bee Colony (ABC) algorithm for resource optimization.

Skills & Interests

AI Engineering: Vercel AI SDK, Prompt Engineering, Context Engineering, System Instructions, Gemini (2.5 Flash, 1.5 Pro), Imagen, Veo.

Web Development: React 19, Node.js, Vite, Tailwind CSS 4, Fastify, Supabase (BaaS), TanStack Query, Zod, shadcn/ui, GSAP.

Data & Cloud: Machine Learning (Scikit-learn), JDL Data Fusion, Monte Carlo, Docker, Google Cloud Platform, Git.

Programming Languages: JavaScript, TypeScript, Python, C#, SQL.

Languages: Spanish (Native), English (B1).