



YECKSIN MAURICIO ZUÑIGA GUERRERO

Agentic Full - Stack Engineer

AI · Multimedia · 3D & mobile apps

CONTACT

Email yecksin@gmail.com
Web yecksin.com
LinkedIn /in/yecksin
GitHub /yecksin
Based Cali, Colombia

CORE SKILLS

Agentic development · Claude Code
Angular (10–20) · signals
React · Next.js · TypeScript
Flutter · Dart
Node.js · NestJS · Hono
Firebase · PostgreSQL · Cloudflare Workers
Three.js · WebXR
Docker · CI/CD

LANGUAGES

Spanish Native
English A2–B1 (improving)

AI TOOLING

Claude Code Cursor
Google Antigravity Claude API
MCP OpenSpec
Context engineering

PROFILE

Frontend-led full-stack engineer with **5+ years** at **CIAT (CGIAR)**, working across backend, data and infra with AI agents — **the framework is a choice, not a limit**. **Agentic development is my core method**: written specs, deliberate context engineering, multi-agent workflows and human review of every change. I lead a frontend team on four research platforms and build my own products outside working hours, mostly with AI agents. Multimedia Engineer by degree.

FEATURED PRODUCTS

POS · DIGITAL MENU · CONVERSATIONAL AI

MENULULO

POS and QR digital menu for restaurants in Colombia (**menululo.com**), built since May 2026; restaurants in Cali use it **daily since Sep 2026**. Flutter POS app (Android, iOS, tablet) and Angular web admin. The menu is **editable via WhatsApp with an AI agent** (Claude API, two-tier model routing): text, voice notes and photos become menu changes. **Offline-safe writes** (queue + auto-retry), idempotent payments, double-tap protection.

STACK Flutter · Angular · Firebase / Firestore · Cloudflare Workers · Claude API · WhatsApp

Also. Solid Lab 3D (solidlab3d.com) — QR table stands, keychains and magnets with the customer’s logo in relief, 3D printed. **Arena TC** (arenatc.com) — virtual reality room in Cali (Meta Quest 3, 103 games).

AGENTIC ENGINEERING

AGENT HARNESS

A personal harness I use to build with agents: segmented **CLAUDE.md** rules loaded on demand, **40+ hooks** and **40+ custom skills**, a rule router, multi-agent workflows in **git worktrees**, an **MCP bridge** to a remote test server, model routing with daily evals, and an adversarial second-pass review on every diff.

EXPERIENCE

2025 — now	Coordinator II — Frontend Development Alianza Bioversity - CIAT (CGIAR) · Cali, Colombia Lead a small frontend team and make technical decisions across four research platforms: CLARISA, PRMS Reporting Tool, AICCRA, STAR. Led the Angular 10 → 18 migration (signals, standalone components, shared design system). Brought AI-first development to the team: Claude Code, Cursor, spec-driven changes with OpenSpec, agent rules per repo. Review and integrate team work; own the release flow to production.
2023 — 25	Senior Analyst — Front End Developer Alianza Bioversity - CIAT (CGIAR) Senior individual contributor on CGIAR flagship reporting platforms (Angular). Temporary Product Management rotation on <i>CLARISA</i>.
2021 — 23	Systems Analyst Alianza Bioversity - CIAT (CGIAR) Frontend across Angular and the legacy stack (Vanilla JS, jQuery, FreeMarker).
2020 — 21	Engineering internship Alianza Bioversity - CIAT (CGIAR) Entry into CIAT (Aug 2020); internal platform tooling.

TECHNICAL STACK

FRONTEND Web & mobile Angular (10–20, signals) · React · Next.js · Astro · Flutter / Dart · TypeScript. 3D & IMMERSIVE Multimedia Three.js · WebXR. DELIVERY Shipping Docker · CI/CD.	BACKEND & DATA Services Node.js · NestJS · Hono · PostgreSQL · Firebase / Firestore · Cloudflare Workers. AI & AGENTS Agentic workflow Claude Code · Cursor · Google Antigravity · Claude API · MCP · OpenSpec · prompt / context engineering.
---	--

EDUCATION

Multimedia Engineer Universidad de San Buenaventura — Cali	2016 — 21
Specialist in Software Development Processes Universidad de San Buenaventura — Cali	2022