

Jerick Castro Ortiz

Full-Stack & AI Engineer · Web, mobile and AI products, from idea to production

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Barranquilla, Colombia (UTC-5, overlaps US Eastern hours) · Open to remote contract or full-time work

SUMMARY

Full-stack engineer with 5 years of shipping production software as a founder and freelancer. As founder and CTO of Global Technology & Innovation AI S.A.S., I took Hey Eva from 0 to 1: a real-time voice AI companion that acts through tool calling (Gemini Live API, Python on Cloud Run, Flutter), live on the App Store and Google Play with 209 users, 2,600+ conversations and 66% of users returning. I learned Flutter from scratch for it and wrote its first versions with little AI help.

CTO of KVRA Agency since February 2026, leading web, mobile, AI and automation projects from scope to delivery. I work AI-native with AI coding tools and review what they write: I designed KVRA Orquesta, an agent harness of coordinated Claude agents, independent reviewers and scripted gates that five KVRA members use daily, and a benchmark with hidden tests that decides which model does which job. I am accountable for every decision and every release that ships.

SKILLS

Languages: TypeScript, JavaScript, Python, Dart, Swift, Kotlin, Java, C++, PHP, SQL, HTML/CSS, Bash

Web, backend and desktop: React 19, Next.js, Vite, Astro, Tailwind CSS, Bootstrap, GSAP; Node.js, Express, FastAPI, REST, WebSockets, webhooks; Electron; Cloudflare Workers, Durable Objects; WordPress, Wix

Mobile: Flutter (BLoC), Swift and SwiftUI (native iOS), Kotlin (native Android: View system, foreground services), RevenueCat, TestFlight, App Store and Google Play releases; pixel-perfect Figma-to-Flutter

AI and agents: Claude API, Claude Agent SDK, Claude Code, Gemini API and Gemini Live API, Vertex AI, OpenAI API (GPT Image, Codex SDK, Realtime), ElevenLabs, MCP (servers and clients); Higgsfield, Midjourney, ComfyUI with local models; multi-agent orchestration, tool calling, embeddings and vector search, semantic memory, LLM guardrails, model evaluation

APIs and integrations: YouTube Data and Analytics, Instagram Graph, TikTok, Facebook Login, Meta Pixel and Conversions API, Google Sign-In, Sign in with Apple, Google Maps Platform (Places API), Spotify Web API, WhatsApp Business API, App Store Connect and Google Play Developer APIs, Google and Apple Wallet passes, Resend; deep links into WhatsApp, Uber and Google Maps

Payments and e-commerce: Wompi (API and webhooks), Shopify (Buy Button, Storefront API), Ecwid, PayU, Mercado Pago, Dropi

Data and cloud: PostgreSQL (Neon), MongoDB, MySQL, SQLite, Firestore (vector search), Supabase (Edge Functions), Drizzle ORM, Sanity; Google Cloud (Cloud Run, Secret Manager), Firebase, Cloudflare, Vercel, Fly.io, Azure, Docker; familiar with AWS

Quality, design and delivery: pytest, Vitest, Testing Library, Playwright, axe accessibility checks, GitHub Actions, Codemagic, pnpm monorepos, Git; Figma (Dev Mode)

EXPERIENCE

Founder, CTO and Tech Lead — Global Technology & Innovation AI S.A.S.

Jun 2025 – Present

- Built Hey Eva end to end: the iPhone and Android app, the real-time voice server, the internal ops console and the releases to both stores. Directed the Hey Eva website, built by one of the company's engineers, and ran QA on all of it.
- Turned the UI/UX team's Figma designs into pixel-perfect Flutter screens, using the Figma MCP and a figma-to-flutter skill I built for it.
- 209 registered users, 2,600+ conversations, 66% of users returning for more than one conversation, and a 5.0 rating on the App Store in Colombia.
- Python (FastAPI) backend on Google Cloud Run with the Gemini Live API: 240+ API routes, a WebSocket voice channel and 3,500+ automated tests.
- Flutter app (BLoC) with native Swift and Kotlin layers and WebRTC echo cancellation through a C++ layer I wrote, for clean, echo-free voice; sign-in with Google, Apple and Facebook; RevenueCat subscriptions.
- Hands-free phone actions through tool calling: alarms, calls, texts, WhatsApp, calendar, maps, music and Uber rides; long-term memory with Firestore vector search.

- React and TypeScript ops console (PWA) with 1,000+ tests; Firebase Auth, App Check, Cloud Messaging and Crashlytics; CI/CD with Codemagic and GitHub Actions.

CTO — KVR Agency

Feb 2026 – Present

- Lead engineering at an AI, software and content agency; own architecture, delivery and quality for every client and in-house project.
- Designed KVR Orquesta, the agency's agent harness on Claude Code, used daily by five KVR members: an architect agent plans, agents build in parallel, and independent reviewers, a security audit and a visual walkthrough check every piece. Scripted gates and hooks decide when work is done, never an agent's own claim of success.
- Built its model-calibration benchmark: 14 coding tasks with reproducible workspaces, seeded bugs, reference solutions, hidden tests and mutation testing that rejects fake solutions, rerun at each model release to assign models to work.
- Built CAA Suite, an in-house desktop app (Electron, React, Claude Agent SDK) where AI agents take social-media videos from script to publishing; it grew out of a Claude Code proof of concept I built for a client and went from first code to a working version in testing in 12 days.
- CAA Suite is a 25-package pnpm monorepo with Supabase (10 Edge Functions, 54 SQL migrations), custom MCP servers (own JSON-RPC, no SDK) exposing 60 tools to the director agent, YouTube, Instagram and TikTok publishing integrations, spend approved before every paid call, and 10,000+ automated tests.
- Rebuilt Hogara, a cash-on-delivery store, ahead of launch (82% of its current code): Next.js, Firestore, Wompi, Dropi fulfillment, Meta Pixel and Conversions API, 600+ tests and daily encrypted backups.
- Directed and reviewed Cphora, an ERP and accounting system built by two KVR engineers for Castor SAS, a furniture maker that has used it daily for months.
- Built two platforms to demo stage: Finai, restaurant finance that reads Bancolombia, Bold and Davivienda statements by structure (no AI) and reconciles them against the bank, with payroll and a Claude advisor; and ticketing for D'Lamark Productions with Wompi, Wallet passes and an offline QR scanner.

Lead Developer (contract) — GPS The Marketing Machine

Jan 2026 – Sep 2026

- Wrote the original proposal and led development of uccontigo.edu.co, the new website of UC, a private university in Barranquilla founded in 1993; live in production and used daily by non-technical staff.
- Author of all 55 commits: React 19 site with 115 routes, Sanity CMS with 80 content schemas, Cloudflare Pages Functions, Durable Objects and KV, about 900 automated tests and handover docs.
- Staff edit text and images by clicking on the page, with a live preview; publishing fires a signed webhook that rebuilds the site.
- Built UNI, an AI assistant on Gemini with 12 function-calling tools that answers questions on programs, admissions and fees from the site's own data and turns down off-topic questions.
- Enrollment requests reach the university's CRM (Supabase) with automatic retries and a dead-letter queue that keeps failed requests for replay.

Founder — e-Maker • Freelance Web Developer

2021 – 2025

- Founded e-Maker, my first startup, a web studio with a team of four. Built sites for small businesses in Colombia, starting with Kisses Bomb, an online store that ran in production for about a year, then Reserva de Terranova, Mobix and Univista; later, internal tools for small businesses.
- Built online stores quickly by embedding Shopify (Buy Button, Storefront API) or Ecwid into custom-designed sites and restyling them until they matched each design seamlessly; added WhatsApp chat, Google Maps and an AI chatbot (Botsonic) where clients needed them.

LINKS

Portfolio — jerickcastro.pages.dev | **Hey Eva** — [App Store](#) · [Google Play](#) | uccontigo.edu.co — [live site](#)

Private code from KVR and Global Technology & Innovation AI projects available as work samples on request.

EDUCATION AND LANGUAGES

Coursework toward a bachelor's in Computer Engineering (Ingeniería Informática), Universidad de La Sabana, 2020–2021; self-taught since then.

Languages: Spanish (native), English (C1).