

Marco Sebastián Ortega Molina

FULL-STACK AI DEVELOPER

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I build **web and mobile applications** with integrated artificial intelligence — and from 2023 to 2024 I trained and evaluated AI models through RLHF, search quality and LQA work.

Open to **remote opportunities** in AI-powered platform and app development, and in AI training.

WORK EXPERIENCE

2024
— TODAY

Founder · Software & AI development

KairoMX · Self-employed · Hermosillo (hybrid)

Software development and AI automation agency for businesses. I set the vision, design each solution with the client and lead development end to end: KairoMX.tech, Cristy Snacks, MiDosis, NurseGo, an attendance system for clinical placements and a sales system for a jewelry business.

2023
— 2024

AI trainer & evaluator (RLHF)

CrowdGen · Freelance · Remote

From 2023 to 2024: hands-on data annotation and assessment of model outputs — the work behind the three areas below.

RLHF
2023–2024

Reinforcement Learning from Human Feedback

CrowdGen · Project Teapot

Trained conversational AI models by simulating real interactions, asking questions and rating output quality.

SQE
2023–2024

Search Quality Evaluation

Relevance · Safety · Accuracy

Evaluated search relevance, safety, accuracy and source reputation against detailed annotation guidelines.

LQA
2023–2024

Language Quality Assessment

Machine translation

Assessed machine translation engine outputs for accuracy, fluency and overall language quality.

PROFESSIONAL DEVELOPMENT

PCB Design, AI and Industry Outlook · Universidad de Sonora (AI-SED 2026 Challenge) · 50-hour program · September 2026

Working with the OpenAI API · DataCamp · Course · July 2026

Diploma in Financial Education · CONDUSEF (Mexico's financial consumer protection agency) · Diploma · August 2024

PROJECTS

Proyecto Zahorí — AI WATER-LEAK DETECTION

ML · AI

A sensor node that detects leaks in the water network to prevent sinkholes, developed by a team of five for the AI-SED 2026 challenge. My part is the machine learning: time series, light models for microcontrollers and training on the Yuca supercomputer at ACARUS (University of Sonora).

Python · Time series · TinyML · SLURM · Yuca · LoRaWAN

Knowledge management with AI — PERSONAL AI ASSISTANT FOR AN EXECUTIVE

AI · DESKTOP

A personal AI assistant for an executive, installed on his computer. It centralises his notes, agenda and to-dos in an Obsidian knowledge base that Claude organises and queries, connected to his sports watch, market prices and LinkedIn. Version 1.0 delivered, with a Windows installer and training.

Obsidian · Claude Code · Python · GitHub

Workspace with AI assistants — A TEAM WORKSPACE WITH ITS AIS CONNECTED THROUGH MCP

WEB · AI

A workspace built from scratch, at zero cost, for a research team: kanban board, documents, chat, proposals with voting and news. Each member's AI assistant connects through MCP and works on the same data as its person; cards are never deleted, they get archived. In daily use by the team and its advisers.

React · TypeScript · Supabase · Cloudflare Workers · MCP

Clinical placement attendance — ATTENDANCE WITH QR AND OFFICIAL REPORTS

WEB

A web system for a public health institution that records nursing students' attendance at their hospital placements: QR scanning or manual entry, monthly and annual reports in the institution's official format, PDF badges and role-based access with row-level security. In production.

Next.js · TypeScript · Supabase · PostgreSQL · QR

Sales and inventory for a jewelry business — PRICING, INVENTORY, SALES AND A BAZAAR STORE

WEB · PWA

An installable web app on the iPhone of a jewelry business owner: prices from the real cost, inventory, sales with a scanner and a sale note as an image, a loyalty card and a bazaar store where customers build their cart from their own phone. In production.

React · TypeScript · Tailwind CSS · Supabase · PWA

AI video builder — EXPLAINER AND PRODUCT VIDEOS FROM AN IDEA

AI · VIDEO

A system to produce explainer and product videos from an idea: script, synthetic voice, real 3D scenes and kinetic typography, with automatic rendering and a review of the final file. Every frame comes from code, so it can be repeated and fixed.

HyperFrames · three.js · GSAP · Claude Code · ffmpeg

MiDosis — AI-POWERED MEDICATION MANAGEMENT APP — MOBILE · AI

NurseGo — ON-DEMAND HOME NURSING APP — MOBILE

Cristy Snacks — BUSINESS MANAGEMENT SYSTEM — WEB

MSOS, a personal command center — FINANCES, SUBSCRIPTIONS, NOTES AND PROJECTS IN ONE PLACE — WEB · PWA

AI agent methodology — HOW MY MOST RECENT PROJECTS WERE BUILT — AI · METHOD

TECHNICAL SKILLS

Languages	JavaScript · TypeScript · HTML · CSS · SQL · Python · C · C++
Frameworks & Libraries	React · React Native · Next.js · Vite · Node.js · Expo · Tailwind CSS · Framer Motion · three.js · GSAP
Databases	PostgreSQL · MySQL · Firebase · SQLite · Supabase
AI & ML Tools	Claude · Claude Code · Gemini · GitHub Copilot · OpenCode · Antigravity IDE · OpenRouter · MCP · Prompt Engineering
DevOps & Infra	Git · GitHub · GitHub Actions · Docker · Vercel · Cloudflare Workers · DigitalOcean VPS · n8n workflows
Networking	Cisco Packet Tracer · Wireshark · VLANs · OSI Model · RSSI Analysis
Hardware	Proteus · PCB design · Microcontrollers · TinyML

EDUCATION

Information Systems Engineering (ISI) · Universidad de Sonora (UNISON) · 5th semester

ABOUT ME

Information Systems Engineering student at Universidad de Sonora (UNISON), 5th semester. I build full-stack web and mobile applications with real AI integration — not just API wrappers, but thoughtful implementations that solve actual problems. From medication management with AI health assistants to business automation pipelines, I ship software that works.