

Gaizka Jiménez

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Software engineer who takes AI to production. Four years building product end to end, the last two with generative AI: the AI layer in Python, the product in TypeScript, and the native app all the way to the store. Daily Claude Code user. Outside work I maintain emap, a mobility platform for the Basque Country with an app live on the App Store and a published, DOI-citable retrieval benchmark.

Core Competencies

- **Generative AI & agents:** RAG over Pinecone, agents, tool calling, prompt and context engineering; multi-provider orchestration with LiteLLM (OpenAI, Anthropic Claude, DeepSeek, Kimi) and on-premises open-weight models.
- **AI evaluation:** golden evaluation corpus with a strict held-out split and abstention cases, measured comparison of embedding models, and evals running automatically on every change.
- **Full-stack development:** TypeScript/Node, Next.js and React; Python for the AI layer; REST and serverless API design.
- **Mobile:** React Native and Expo (3 years), native iOS (Swift, SwiftUI) and native Android (Kotlin, Jetpack Compose).
- **Backend & data:** AWS (Lambda, DynamoDB, IVS, Amplify), PostgreSQL/Supabase (schemas, RPCs, row-level security), Docker, Hetzner, CI/CD and Git.
- **AI-assisted engineering:** Claude Code and Cursor daily on shared codebases, MCP, technical documentation and changelogs as standard practice.
- **Security & automation:** cybersecurity specialization applied to sensitive data; process automation with n8n and Make.

Professional Experience

- **CODX Digital** **Remote**
2025–Present
AI & Mobile Engineer
 - Co-developed Kunoa's AI backend (health & nutrition) on AWS Lambda in Python: a 5-step nutrition-plan pipeline running long jobs beyond API timeout limits.
 - Built a multi-provider LLM layer with LiteLLM (OpenAI and Anthropic Claude) and a RAG system over Pinecone; added photo-based food recognition over an 18,000-dish database.
 - Designed and maintained large data models on PostgreSQL/Supabase (around 113 tables and 177 RPCs on Kunoa; 42 tables and 51 on Leonard AI).
 - Built ChutApp's web in Next.js 15 and React 19 with a 9-tab admin and moderation dashboard, plus serverless APIs on Lambda and DynamoDB.
 - Co-built live streaming with AWS IVS and operated real live events end to end, with event-day runbooks.
 - Delivered native iOS (SwiftUI) and Android (Kotlin, Compose) clients alongside their backends.
 - Product outcomes: ChutApp reached 12,000 users; Kunoa reduced churn by 35%.
- **Goviideo** **Remote**
2024–2025
Full Stack Developer
 - Built OpenAI-based chatbots and script-generation applications on local on-premises models, for cases where data cannot leave the organisation.
 - Automated end-to-end business processes with Make and n8n, integrated with internal systems.

- **Inetum** **Spain**
Full Stack Developer *2022–2023*
 - Optimized database query performance, reducing data load times, and designed efficient schemas while maintaining data integrity across systems.

Freelance & Collaborations

- **Boring Privacy** **Remote**
Freelance Developer *2023–2025*
 - Built an educational cybersecurity platform with React and Node.js, including a dual payment gateway (fiat and cryptocurrency) for purchasing privacy and digital-security training.
- **Racks Labs** **Remote**
Collaborator *2022–2024*
 - Smart contract and NFT collection development; launch strategy coordination and Web3 community management.

Personal Project

- **emap** (emapapp.com), since May 2026 — mobility platform for the Basque Country. React Native and Expo app **live on the App Store**, plus an open web app, over 22 data layers and 27,515 indexed places (OpenStreetMap, OSRM, OpenTripPlanner, GTFS). Includes 3D navigation in WebGL and real-time data from 4 transit networks.
- **emap Labs** — geographic retrieval benchmark in Spanish and Basque: 139 cases, strict held-out split and abstention cases. Measured comparison of embedding models, evals running on every change, and an MCP server for AI agents.

Publications

- **emap-labs: open geographic-retrieval benchmark (Spanish/Basque) and versioned urban mobility datasets for the Basque Country.** Zenodo, 2026. DOI: [10.5281/zenodo.21282784](https://doi.org/10.5281/zenodo.21282784). Code Apache-2.0, data CC-BY-4.0 / ODbL.

Education

- **CIFP Zornotza** **Basque Country, Spain**
Higher Degree in Web Application Development (DAW) *2019–2021*
- **IES UNI Eibar-Ermua BHI** **Basque Country, Spain**
Specialization in Cybersecurity *2021–2022*

Languages

- Spanish (native), Basque/Euskera (native), English (advanced), Mandarin (learning).