

# Pol Cayuela

## AI Product Engineer

Vilanova i la Geltrú, Barcelona, Spain | +34 677018566  
pcayuelarull@gmail.com | [linkedin.com/in/polcayuela](https://www.linkedin.com/in/polcayuela)  
[polcayuela.vercel.app](https://polcayuela.vercel.app) | [github.com/waltersek](https://github.com/waltersek)

Building production-ready AI-native applications. I design and ship end-to-end full-stack products across web and mobile, integrating LLMs, real-time voice, image generation, and agentic workflows.

## WORK EXPERIENCE

**Freelance AI Product Engineer** | June 2024 – Present

*Designed and shipped 4 production AI SaaS products end-to-end.*

- Culinaria — AI mobile cooking app with real-time voice agent using LiveKit and Gemini Live to control full app hands-free.
- InfiniteVisuals — AI brand content engine with Google Agent ADK multi-agent orchestration to generate marketing campaign visuals.
- PxlMorph — AI image style transfer app using OpenAI API to generate 50+ viral & artistic styles.
- Kryptodash — AI-powered crypto dashboard with data-driven market insights.

Try them live: [polcayuela.vercel.app](https://polcayuela.vercel.app)

**3D Generalist & VFX Artist** | Studios / Freelance | 2012 – 2024

- 13 years of professional experience in 3D graphics, VFX, architectural visualization, videogames and advertising.

## TECHNICAL SKILLS

**AI:** Gemini API & Gemini Live, OpenAI API, Google Agent ADK, Vertex AI, Agentic AI & Automations, LLM Integration, Structured Outputs, Tool Calling, Generative AI Workflows (Text, Image, Audio, Video).

**Frontend & Mobile:** TypeScript, Next.js, React, React Native, Expo, Tailwind CSS, TanStack Query, Zustand, Zod.

**Backend & Cloud:** Node.js, Python, Supabase (Auth, PostgreSQL), GCP / Cloud Run, R2 Storage, Docker, REST APIs, LiveKit, WebSockets, Webhooks.

**Payments:** Stripe, RevenueCat, Google Play Store.

**DevOps:** Git, CI/CD, Playwright, Jest.

**AI-Native Development:** VS Code + Copilot, Trae, Windsurf, Claude Code, Gemini CLI, MCPs + Skills.

## EDUCATION & CERTIFICATIONS

**AI & Software Engineering** | 2024 – Present

Independent hands-on learning through building 4 production AI-native SaaS products. Focus on production-level skills through practical project development.

**Generative AI & AI Essentials Certificates** | Google | 2024

**Python Programming (Advanced Path)** | Mimo Learning Platform | 2024

**Master's degree in VFX, Postproduction & Houdini FX Specialization** | FX Barcelona Film School | 2013 – 2016

**CFGS 3D Animation & Videogames** | EMAID | 2011 – 2013

## LANGUAGES

**Spanish:** Native | **Catalan:** Native | **English:** B2 Professional Working Proficiency