

Joe Waine

Full-Stack Engineer | AI products, data pipelines, interactive web

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Full-stack engineer in Brooklyn with 10+ years shipping production web. Sole engineer on AI products spanning data ingestion, LLM pipelines, infrastructure and user interfaces.

EXPERIENCE

Independent Web Consultancy | Principal 2015 - Present

- Built Interior Motives' AI-tagged archive of **4,500+ submissions** and Figma deck generator. Developing its multiplayer Home Game (Supabase, Gemini/Claude, WebSockets, Expo).
- Built an LLM outreach pipeline with human review and cost tracking, plus a SQLite registry enforcing cross-channel suppression for **16,800+ contacts** (TypeScript, Python, BullMQ).
- 350+ sites audited; 16 rebuilt.** Built AI-assisted audit and regeneration tools plus sitegen, which turns live sites into client-owned builds with Sveltia CMS (TypeScript, Playwright, Cloudflare Workers).
- Built Tix for Teachers, connecting verified teachers to donated event tickets (React, Next.js, Drizzle).
- Added hold-to-record video capture to Authentic in a **two-week sprint**, including gestures, compression and HLS playback (React Native).
- Launched Grand Street Works, a web/app studio with a **120-page reference library across 20 trades**, automated quality checks and an intake diagnostic (Python, Lighthouse).
- Delivered sites for **20+ clients**, including Stokes Architecture + Design (WordPress/ACF). Consolidated production infrastructure on Hetzner/Coolify, cutting hosting from **~\$1,900 to ~\$230/month**.

Mama Restaurant Group | Technical Director May 2020 - May 2022

- Built and owned the ordering platform for **5 restaurants**, covering gift cards, stored payments and reservations (Vue, Node, Express, MongoDB).

Indigo Slate | UI Developer Feb 2019 - Feb 2020

- Built accessible React frontends for enterprise clients including **Microsoft**, translating Figma/Sketch designs into responsive, WCAG-compliant production code.

Comrade Agency / Sideways NYC | Web Developer 2013 - 2017

- Shipped award-winning websites for Fortune 500 clients and brands in fashion, healthcare and hospitality.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, SQL, Swift, C++
Frontend & design	React, React Native / Expo, Next.js, Vue, Tailwind, WCAG, Figma, Adobe CS
AI & data	Claude/Gemini APIs, agentic pipelines, Whisper/Ollama, Postgres, Supabase, SQLite, Redis
Backend & infra	Node.js, Express, FastAPI, BullMQ, Docker, Cloudflare, Hetzner/Coolify, GitHub Actions

EDUCATION

University of Washington Bothell | Graduate Certificate, Software Design & Development | 2024

Code Fellows | Certificate, Advanced Full-Stack JavaScript | 2018

Cornish College of the Arts | B.A. in Visual Communication | 2010