David Hsiao

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Software Engineer | Full-Stack Web and iOS | AI Integrations
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Newark, CA (San Francisco Bay Area)
U.S. work authorized, no sponsorship needed

SUMMARY

Software engineer with 7+ years across enterprise frontend (Barracuda, Adobe via TEKsystems, Supermicro) and independently shipped products. I build React and Next.js interfaces, the APIs and data behind them, and native iOS apps, and I own releases through production. Two apps live on the App Store and one live web product, each with LLM features running in production.

SKILLS

Frontend: TypeScript, JavaScript, React, Next.js, React Native (Expo), HTML/CSS, Tailwind, i18n
Backend and data: Node.js, REST APIs, Cloudflare Workers, D1, R2, Queues, Supabase/Postgres, Prisma, Sanity CMS
AI: OpenAI and Gemini API integration, provider fallback, usage limits and caching, AI-assisted development (Claude Code, Codex)
iOS: Swift, SwiftUI, background uploads (URLSession), TestFlight and App Store release
Quality and delivery: Jest, React Testing Library, GitHub Actions, Vercel, Azure release pipelines, PostHog, on-call

EXPERIENCE

Independent and Freelance | Software Engineer — Dec 2024 - Present

- **AfterPlay** (iOS, live on the App Store): built a SwiftUI app that records racket-sport sessions and uploads them to a Cloudflare Workers, R2 and D1 backend. Designed resumable multipart uploads with persisted recovery state so recordings survive interrupted connections.
- Added video import with server-side screening: a containerized FFmpeg sampler reads private R2 objects by range and feeds frame sheets to an AI content check before a video can be shared.
- **OutfitSignal** (iOS, live on the App Store): shipped a React Native (Expo) app that gives AI outfit feedback from photos, with an on-device album for before and after comparison.
- **D8ly** (d8ly.app, live): built a bilingual English and Traditional Chinese Next.js app on Supabase Postgres with OpenAI and Gemini integrations, provider fallback, caching to cut repeat AI calls, per-user rate limits, and PostHog analytics.
- **Client work:** built a Next.js and Sanity CMS site for an interior-design client with Google OAuth and magic-link sign-in, whitelist-gated client pages, and bilingual email templates; building Stripe checkout with server-side price validation for a floral shop.
- Run the full release cycle alone: automated tests, CI, TestFlight builds, App Store submission, and production monitoring.

Barracuda Networks | Software Engineer — Aug 2022 - Sep 2024

- Built frontend features for the redesigned Cloud-to-Cloud Backup product in Next.js, React and TypeScript.
- Designed, built and published a shared navigation component through bit.dev, adopted across two product generations.
- Integrated REST APIs for authentication and data workflows, working with backend engineers on API contracts and on loading and error states.
- Wrote Jest and React Testing Library tests with QA; took part in monthly production on-call, release-blocker triage, PR reviews and bi-weekly Azure releases.

Adobe (via TEKsystems) | Software Engineer, Contract — Aug 2021 - Apr 2022

- Migrated an internal portal from AngularJS to React using Adobe Spectrum components.
- Built reusable carousel, card and infinite-scroll components for the internal component library.

Supermicro | Product Engineer — Apr 2018 - May 2021

- Rebuilt a legacy CherryPy internal tool's frontend in React, including tables, forms and modals.
- Wrote Python and shell scripts that verify firmware and apply updates through APIs, removing about 3 hours of manual work per system.
- Ran customer demos and on-site software troubleshooting for server deployments.

TRAINING

Hack Reactor | Software Engineering Immersive — 2017
Languages | English and Mandarin, native or bilingual