

H. Erik Kleiman

Full-Stack Software Engineer | San Diego, CA

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SUMMARY

Full-stack software engineer who builds and ships production applications end to end: React and TypeScript front-ends, Node and Python backends, PostgreSQL, and AI features on the OpenAI and Anthropic APIs, including a cost-routed inference pipeline that cut model spend 70 to 90 percent. Co-founded a product engineering studio serving clients from HIPAA-regulated medicine to nonprofit e-commerce. Everything below is live at hekdev.com.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, SQL

Frontend: React, React Native, Next.js, Astro, HTML5, CSS3, Tailwind, responsive design

Backend & Data: Node.js, Express, REST API design, OAuth 2.0, PostgreSQL, MongoDB, Supabase

AI & LLMs: OpenAI and Anthropic APIs in production, prompt design, structured and schema-validated output, cost-routed inference; Claude Code and Cursor daily

Practices: Git / GitHub, CI/CD (GitHub Actions), Jest, React Testing Library, Playwright, code reviews, Agile / Scrum, technical documentation; AWS coursework in progress

EXPERIENCE

HEK Designs LLC, Product Engineering Studio | Software Engineer & Co-Founder 2025 - Present

- Build full-stack web applications end to end for clients: React and Next.js front-ends, Node backends, REST API integrations, and PostgreSQL, shipped from requirements to launch.
- Shipped a HIPAA-compliant site for a concierge medicine practice with athenahealth integration and WCAG 2.2 AA accessibility; diagnosed a performance degradation, traced it to hosting geography, and migrated infrastructure.
- Built a role-based CMS portal so a nonprofit's non-technical staff manage a 16-page production site themselves, eliminating developer tickets and cutting content turnaround from days to minutes.
- Maintain code quality through code reviews and CI: automated tests on every pull request plus a visual regression pipeline that renders pages with Playwright and diffs them against Figma design exports.
- Ship production LLM features with schema-validated output, and hold frontend performance at Lighthouse 95+ with sub-1.5s loads.

DevSum, Git Diff Analyzer (Open Source) | Software Engineer 2025

- Built a full-stack developer tool with a Node.js and Express REST API integrating the GitHub and OpenAI APIs, securing repository access with an OAuth 2.0 flow.
- Added async queues and rate-limited batching to keep average response times under 200ms under load, with schema validation keeping results consistent and testable.

PROJECTS

Trade-Up, Cross-Platform Mobile Marketplace *React Native, Expo, Supabase*

- Architected a full-stack React Native app over a Supabase and PostgreSQL backend with real-time messaging and per-user data isolation, distributed to beta testers via TestFlight on iOS and Android.
- Designed an AI image-recognition pipeline that routes each item to the cheapest capable model before falling back to a vision model, cutting inference costs 70 to 90 percent while preserving accuracy.

Portsmith, AI Context Portability Extension *TypeScript, Chrome MV3 | Chrome Web Store*

- Built and published a Chrome Extension that migrates AI assistant configurations between ChatGPT, Claude, and Gemini through a Universal Interchange Schema, with all processing on-device.

EDUCATION

Advanced Residency in Software Engineering, Codesmith

B.S., Business Management, Grand Canyon University (2024)

Currently completing AWS cloud certification coursework. Fluent in Spanish.