

Jerrick Hakim

Senior Product Engineer | Full-Stack Systems, AI Products and Developer Tools

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SUMMARY

Product-focused software engineer and technical founder with eight years of end-to-end experience building and operating AI, developer, web, mobile, commerce, financial, and media products. Turns ambiguous ideas into production systems while owning product definition, user experience, architecture, interfaces, APIs, infrastructure, deployment, support, and iteration. Strongest in TypeScript, React, Next.js, Node.js, Go, Swift, Docker, AWS, Vercel, and Cloudflare.

EXPERIENCE

Software Engineer | Independent Product Development | 2018 - Present

Architected, designed, shipped, and operated ten customer-facing products. Owned product strategy, user experience, implementation, infrastructure, testing, deployment, documentation, support, and production iteration.

RepoGo | Agent Platform and Mobile IDE | October 2025 - Present

- Built a provider-neutral platform for coding agents across web, iOS, Mac, Linux, local, and cloud environments.
- Architected a runtime that unifies stateful sessions, tool calls, observations, approvals, recovery, and completion across multiple agent providers.
- Managed streaming CLI, SDK, JSON-RPC, and stdio processes with bounded concurrency, cancellation, watchdogs, timeouts, cleanup, and durable state.
- Created TypeScript provider adapters and Go normalizers for ordered event contracts, plus operational visibility through structured logs, replay, token use, and latency analytics.

RockoAI | Agentic Code Editor | April 2025 - October 2025

- Built a React and Next.js product for multi-model application generation with streamed changes, live previews, shareable playgrounds, and human review.
- Created an AI assistant capable of working with files, terminal commands, search, databases, and application context inside isolated Docker environments.
- Built deployment integrations for Vercel, AWS Lambda, CloudFront, Cloudflare, and Fly.io.

Workspace SaaS Foundation | Shared Multi-Tenant Infrastructure | 2026 - Present

- Developed reusable authentication, tenancy, permissions, invitations, billing, API keys, lifecycle handling, and custom-domain patterns for multiple applications.
- Built TypeScript packages, React and Next.js interfaces, server APIs, Firestore path builders, error handling, and capability-based authorization.
- Created shipping workflows that distribute shared libraries into independently deployed products.

Production Systems Engineer | Selected Products | 2018 - 2025

- Built and operated Boppr for 25,000+ users across mobile, web, and a Google Cloud Run API, including identity, subscriptions, lead capture, NFC and QR workflows, Wallet passes, and backward-compatible APIs.
- Built VenueRun's multi-tenant commerce platform with ordering, real-time group tabs, Stripe and Square payments, APIs, webhooks, and merchant operations.
- Built Fileie's document and financial workflows across Next.js, Firestore, React Native, Expo, Swift, OCR, AI-assisted extraction, and private S3 storage.
- Built ClipReply's interactive video product and AWS Lambda, S3, CloudFront, and MediaConvert pipeline for transcoding, captions, global delivery, and usage metering.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Go, Swift, HTML, CSS, SQL

Frontend and Mobile: React, Next.js, React Native, Expo, Vue, Svelte, Tailwind CSS

Backend and Distributed Systems: Node.js, NATS, REST APIs, JSON-RPC, Firestore, Socket.IO, event streaming

Cloud and Infrastructure: Docker, AWS Lambda, S3, CloudFront, MediaConvert, Google Cloud Run, Vercel, Cloudflare, Fly.io

Product Engineering: Agent runtimes, AI tool calling, deployment workflows, sandboxes, observability, payments, multi-tenant SaaS

EDUCATION

Blackhawk Technical College | Janesville, WI | September 2010 - June 2012

Criminal Justice | 60 College Credits