

# Jerrick Hakim

**Full-Stack Engineer · Technical Founder · AI Tools & Infra Specialist**

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Actively pursuing full-time opportunities. Ready to apply my end-to-end product development experience in a collaborative team setting.

## EXPERIENCE

### Founder and Lead Engineer

2018 - PRESENT

Conceptualized, architected, and delivered multiple production-grade applications as a self-directed technical leader, responsible for all aspects of technology strategy, development, and deployment.

#### **Project: RockoAI — AI-Powered Code Editor & Learning Platform** *(In Development)* April 2025 – Present

- Architected a browser-based IDE from scratch, fully integrated with CodeMirror and VS Code Server for a feature-rich editing experience.
- Designed secure, isolated sandbox environments using Docker.
- Created a one-click deployment pipeline using Vercel, AWS Lambda, and Cloudflare.
- Developed a built-in API client that automatically detects API routes, accelerating the API development.
- Engineered an AI agent with function-calling capabilities to perform file system operations and execute terminal commands via natural language prompts.

#### **Project: MediaDoodle (mediadoodle.com) — Social Card Image API** – Aug 2024 – Sept 2024

- Built a dynamic social card generation API for creating customizable social cards at scale.
- Designed with a strong focus on developer experience (DX) and ease of adoption for marketing and social automation use cases.

#### **Project: ClipReply (clipreply.com) — Interactive Video Platform** – Jan 2022 – Aug 2022

- Engineered a complete serverless video pipeline using AWS Lambda, S3,
- CloudFront, and MediaConvert for automated transcoding, captioning,
- and global delivery.
- Implemented usage-based billing logic by metering storage, bandwidth, and compute to support a scalable monetization strategy.

#### **Boppr (boppr.com) — CTO — Digital Business Card Platform** – Jan 2021 – Present

- Led the development of a digital business card platform powered by NFC, creating a seamless tap-to-share user experience on web and mobile.
- Mentored and collaborated closely with two co-founders, providing technical guidance and strategic input on feature development, value propositions, and go-to-market positioning.
- Engineered a real-time profile synchronization system using Socket.IO, achieving sub-second updates across all connected devices.
- Managed the full lifecycle of mobile deployment, including App Store and Play Store submissions, reviews, and release cycles.

#### **Project: VenueRun (venuerun.com formerly menuify.app) — E-Commerce Platform** – 2020 – Present

- Architected and developed a multi-tenant e-commerce platform enabling merchants to manage online orders at scale.
- Built a proprietary ingestion tool to convert PDFs/images into structured menu data (>95% time savings).
- Integrated Stripe and Square for payment processing.
- Designed the full-stack serverless architecture using Next.js, Vercel, and proprietary APIs to ensure maximum flexibility and real-time ordering logic.

#### **Project: Thriveific (thriveific.com) — Business Management Suite – 2019 – 2020**

- Architected and built a comprehensive SaaS platform for service-based teams, integrating invoicing, e-signatures, task tracking, and CRM features.
- Engineered a custom AJAX-based routing system to improve first paint performance by dynamically loading application components on demand, significantly reducing initial bundle size and user experience.

#### **Project: Fileie (fileie.com) — AI Bookkeeping App – Nov 2018 – Present**

- Built a scalable realtime finance dashboard with Next.js and Firestore.
- Developed a cross-platform mobile app using Expo and React Native, featuring an AI-driven receipt scanner that automated expense categorization.
- Engineered a high-performance analytics engine capable of processing and categorizing over 1,000 transactions in under 60 seconds.
- Leveraged built-in Swift APIs like Vision and PDFKit.

### **Property Manager / Owner-Operator – Beloit WI.**

March 2017 – December 2024

- Managed 5 residential rental units, overseeing maintenance, leasing, and tenant relations.
- Collected payments, coordinated repairs, handled documentation and bookkeeping.
- Reduced vacancies and improved tenant satisfaction through direct communication and fast response times.

## **EDUCATION**

### **Blackhawk Technical College, Janesville WI**

Studied foundational coursework - SEPTEMBER 2010 - JUNE 2012

#### **Frameworks & Libraries**

Next.js, Nuxt, Vite, React, Vue, Svelte, Expo, React Native, Express, Tailwind

#### **Languages**

JavaScript, TypeScript, PHP

#### **Backend & APIs**

Node.js, Serverless (AWS Lambda), REST APIs, Firebase.

#### **DevOps & Deployment**

Docker, Vercel, Fly.io, AWS Google Cloud Platform, Cloudflare, NGINX