

# THOMAS HINES

## FULL-STACK AI PRODUCT ENGINEER

Nashville, TN • [thomas@craftedsourcecode.com](mailto:thomas@craftedsourcecode.com) • [craftedsourcecode.com](https://craftedsourcecode.com) • [github.com/tojam99](https://github.com/tojam99)  
US Citizen • Open to Relocation → USA to Worldwide

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### Summary

Full-stack engineer who ships AI-native consumer products end-to-end — design, code, deploy, and maintain — as a solo builder. Over the past year, designed and launched 8 web and mobile products (6 live in production / app stores), integrating LLMs (Claude and OpenAI APIs), vector embeddings (Voyage AI), and AI-assisted development to compress build cycles dramatically. Operate as the "AI orchestrator" and problem-domain expert: turning ambiguous goals into production systems across React/Next.js, React Native, Node.js, and Swift. 15+ years across IT, software, and live-production technology.

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### Products Built & Shipped

*Designed, built, and launched independently under Crafted Source Code. Full case studies and build timelines at [craftedsourcecode.com](https://craftedsourcecode.com).*

#### **Megalancer — live • [megalancer.com](https://megalancer.com)**

Next.js 15 • Node.js • Express • MySQL • Stripe Connect • PayPal • Voyage AI

Dual online/local freelance marketplace with escrow, milestones, dispute resolution, and AI Smart Matching (vector embeddings + cosine similarity).

#### **Jiveocity — live • App Store + Google Play**

React Native • Expo • TypeScript • Supabase • Google Places • Firebase

Location-based social discovery — real-time venue check-ins, proximity chat, and live presence.

#### **Chivalry — live • Google Play + web (iOS in review)**

React Native • Expo • Next.js • Supabase • Firebase Auth • RevenueCat

Dating product built around real, in-person plans; Firebase phone auth across web and mobile.

#### **Synthri — live • App Store + Google Play • [synthri.com](https://synthri.com)**

Expo SDK 54 • Supabase Edge Functions • Claude API • Claude Vision OCR • TypeScript • Next.js

AI wellness app that turns lab bloodwork into plain-English biomarker insights and estimates your biological age from published research — powered by Claude, built on Expo and Supabase Edge Functions. Concept to both app stores in ~4 weeks. Marketing site at [synthri.com](https://synthri.com) (Next.js).

**Also built & shipped:** SidedWith (AITA-style social, Claude AI tie-breaker) • AILotteryPredictor (Python/Flask ML) • Matchsta (native iOS, Swift) • Station IT Professional (iOS GPS surveying, MapKit). Full case studies and build timelines → [craftedsourcecode.com](https://craftedsourcecode.com)

### Experience

#### **Technical Solutions Engineer Jan 2020 – Present**

Production Resource Group • Nashville, TN

- Develop and maintain internal tools and system integrations that automate manual workflows across operations and production teams.
- Build automation and reporting that replaces repetitive manual processes, improving team throughput and reducing errors.
- Partner with engineering, operations, and stakeholders to ship and support internal platform features across software and hardware systems.

#### **Full-Stack AI Product Engineer Mar 2020 – Present**

Crafted Source Code • Remote

- Build consumer web and mobile products from concept to launch — owning product definition, architecture, full-stack implementation, deployment (VPS + Nginx + PM2, Cloudflare), and support.
- Integrate AI across the stack: Claude and OpenAI APIs for generation and tie-breaking logic, Voyage AI embeddings for semantic matching, plus AI-assisted development to accelerate iteration.
- Ship payment, auth, and messaging systems end-to-end: Stripe Connect/PayPal escrow and milestones, Firebase phone auth, RevenueCat subscriptions, and lifecycle notifications.
- Define and track growth metrics — acquisition, activation, engagement, retention — and prioritize iteratively from data.

#### **Technology Director Aug 2018 – Nov 2019**

MSC Cruise Lines – Cirque du Soleil • Europe / Quebec / NYC

■ Directed hardware/software platform integrations for live productions, coordinating cross-functional teams of 50+.

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#### Technical Skills

**AI / ML** Claude & OpenAI APIs (GPT), Voyage AI embeddings, LLM integration, prompt engineering, AI-assisted dev (Cursor, Copilot)

**Mobile** React Native, Expo, Swift, native iOS & Android, MapKit, StoreKit

**Web** Next.js, React, TypeScript, Tailwind CSS, HTML/CSS

**Backend** Node.js, Express, MySQL, PostgreSQL, Supabase, Python/Flask, REST APIs

**Infra / Pay** VPS + Nginx + PM2, Cloudflare, Vercel • Stripe Connect, PayPal, RevenueCat

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#### Education

**B.S. Computer Information Systems**, Kent State University GPA 3.6

**A.S. Business Administration**, Stark State College — President's List, Phi Theta Kappa