

GRANT ZIMLICH

Full-Stack & Applied AI Engineer

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SUMMARY

Full-stack engineer who ships production systems end-to-end. Sole technical contributor on a live AI-powered mobile application deployed to iOS and Android. Background in industrial automation and SCADA systems, bringing strong real-world systems thinking to modern software and AI products.

TECHNICAL SKILLS

Frontend: React Native, Expo, React, Next.js, TypeScript

Backend: Node.js, Express, PostgreSQL, REST APIs, JWT

AI: OpenAI API, prompt architecture, conversational memory, summarization

Industrial: Ignition SCADA, Allen-Bradley PLCs, Studio 5000

Tools: Git, Postman, Render, App Store & Play Store deployment

EXPERIENCE

Founding Engineer / Sole Developer — With Haven AI (via ARC Engineering Solutions)

June – December 2025

- Built and shipped a production AI-powered caregiver support mobile app as the **only technical contributor**
- Developed iOS & Android apps (React Native / Expo) and backend services (Node.js, PostgreSQL)
- Implemented OpenAI-powered conversational AI with memory retrieval and summarization
- Built secure authentication, subscription management, and account systems
- Owned App Store and Google Play deployment, production support, and marketing website
- *Product owned by employer; development paused after MVP launch*

Systems Integrator — Industrial Automation

ARC Engineering Solutions | *June – December 2025*

- PLC programming, SCADA development, and on-site automation support
 - Built Ignition dashboards monitoring ~30 production lines with real-time data and alerting
 - Integrated Allen-Bradley and Phoenix Contact PLCs; supported robotics systems
 - Commissioned systems on-site in Atlanta, GA and Kansas City, MO
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EDUCATION

B.S. Information Science — Michigan State University, 2021–2025

ADDITIONAL PROJECTS

Additional projects, case studies, and architecture details available at **grantzimlich.com**