

Jonathan Murphy

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Summary

AI-assisted full-stack developer with experience building and deploying multiple production-ready web and mobile apps for healthcare and logistics. Specializes in vibe coding workflows (ChatGPT, Copilot, Cursor-style pair programming) to rapidly ship end-to-end solutions that replace costly SaaS systems. Comfortable blending engineering, product design, and IT infrastructure in resource-constrained environments.

Key Skills

- Vibe Coding & AI Tools: Daily development with AI-assisted workflows (ChatGPT, GitHub Copilot-style prompting, Cursor-like iteration)
- Languages & Frameworks: Python (FastAPI, SQLAlchemy), JavaScript/TypeScript (React, React Native, Node.js), Swift/SwiftUI basics
- Databases & Infra: PostgreSQL, Docker, systemd, Cloudflare Tunnels, Tailscale, Uvicorn
- Frontend/UX: PWA development, responsive design, custom CSS, React Native mobile
- Other: SMS/push notifications (Twilio, FCM), automation scripting, CI/CD basics

Experience

- Logistics & Healthcare Technology Developer

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- Schedule Generator Script – Built AI-assisted scheduling logic in Python/Postgres enforcing EMS rules (role pairing, rest limits, ≤3 consecutive shifts). Saves \$6k–\$12k annually vs. Shiftboard-like SaaS.
- Switchboard (Dispatch App) – Developed dispatcher/crew communication app (PWA + React Native) with push notifications & SMS. Replaces enterprise solutions (\$25k+/year).
- MediCheck (Drug & Equipment PWA) – Digitized compliance checklists for controlled substances, with expiration tracking and reporting. Eliminates costly SafetyCulture licenses (\$12k+/year).
- Other PWAs – Inventory Tracker (supply mgmt), Availability Calendar, Sam's Club Ordering, Supervisor Inspections. Built full backend/frontend pairs with FastAPI + React.

- Infrastructure – Stood up all apps on Ubuntu server, using Cloudflare Tunnels, systemd services, and Tailscale for secure access.
- Startup mindset – Personally invested in hardware (MacBook Air for iOS dev, home-built workstation) prior to company resources being available.

Education

Self-taught developer with focus on AI-accelerated workflows. Ongoing study in networking, systems administration, and computer science fundamentals.

Portfolio

- availability.remstx.org – Employee scheduling availability
- inventory.remstx.org – Medical supply tracking
- monthcheck.remstx.org – Monthly compliance checkoff
- inspect.remstx.org – Supervisor inspection reports
- dispatch.remstx.org – Dispatcher communication tool