

Jeff Hooton

Senior Full-Stack Engineer · TypeScript · React · Node · Postgres

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SUMMARY

Senior full-stack engineer with 9+ years shipping customer-facing products end to end. Currently building a healthcare operations platform in TypeScript (React front end, Fastify/Node API, Drizzle/Postgres data layer) with EMR and insurance-claims integrations, role-scoped access control, and PHI-safe audit logging. Owns features from schema to UI and ships daily.

EXPERIENCE

Senior Full-Stack Engineer, Independent Contract (Healthcare Platform) May 2026 – present

- Architect and majority author, with one partner engineer, of a TypeScript monorepo (React + Vite, Fastify API, Postgres via Drizzle, pnpm + Turborepo) delivering an operations and clinical-quality platform for outpatient behavioral-health programs.
- Built the payor integration layer: HL7 claim submission with ACK handling, and X12-835 remittance parsing that posts payments, reconciles them against open claims, and recalculates accounts receivable.
- Designed the authorization spine: JWT authentication with authorization resolved from a user directory rather than token claims, eight role-scoped surfaces, per-program tenant isolation, and server-side redaction that strips financial fields and PHI before responses leave the API.
- Owned the Postgres schema and Drizzle migrations, with database tests run against the real migration files, and made RBAC, redaction, and audit coverage a required CI gate across 112 test suites.
- Integrated an LLM compliance copilot that is read-only on clinical data, rate-limited, and audited without logging prompts or PHI.

Senior Software Engineer / Tech Lead, Sky High Visions – Columbus, OH Apr 2024 – present

- Primary hands-on engineer across 30+ client engagements while coordinating a team of five, owning architecture through delivery and mentoring engineers via code review and pairing.
- Introduced CI/CD pipelines, automated testing, and code-review standards to a team that had none. Manual deploys became a reviewed, gated pipeline.
- Led refactors of inherited client codebases that turned recurring production incidents into a stable baseline, and built LLM-powered content generation on RAG, embeddings, and vector search.

Senior Full-Stack Software Engineer, Loop Returns – Columbus, OH Oct 2021 – Mar 2024

- Led development of Edit Return for 3,500+ e-commerce brands, which lets shoppers and support agents modify returns in flight on a platform that processes 2M+ returns monthly.
- Designed and shipped Loop's first embedded Shopify app, which put return and exchange benchmarking inside the Shopify admin.
- Rebuilt gift-return flows for peak-season traffic in a Laravel and Vue codebase that moved into TypeScript as the front end modernized.

Platform Software Engineer, WillowTree – Columbus, OH Jul 2019 – Oct 2021

- Built React and TypeScript front ends for Fortune 500 clients including Marriott, the NBA, Dairy Queen, and Qdoba.
- Delivered features under enterprise performance, accessibility, and compliance requirements across several concurrent engagements.

Web Developer, Stodzy Internet Marketing – Columbus, OH Sep 2017 – Jul 2019

- Built and maintained client web properties in WordPress, PHP, and JavaScript for a digital marketing agency.

OPEN SOURCE

scry, a local code-intelligence daemon (Go)

Reference, definition, and call-graph indexes served to AI coding agents over MCP in single-digit milliseconds.

trawl, a tiered web scraper and crawler (Go)

Single static binary with HTTP-to-Chromium escalation, per-host tier learning, and resumable crawl jobs.

SKILLS

Languages: TypeScript, JavaScript, PHP, Go, SQL

Frontend: React, Next.js, Vite, Vue, Nuxt, Tailwind, HTML/CSS

Backend & Data: Node.js, Fastify, NestJS, Laravel, REST APIs, Postgres, Drizzle, MySQL, Redis

Healthcare: HL7, X12-835 claims and remittance, PHI redaction, audit logging, HIPAA-aware design

AI & Practices: RAG, embeddings, vector search, MCP; automated testing, CI/CD, code review, RBAC gates