Ben Morrison Boston, MA | ben-morrison.com | LinkedIn

FULLSTACK SOFTWARE ENGINEER

Fullstack engineer building secure, accessible React and TypeScript apps with Node and PostgreSQL backends. Left a pharmaceutical sciences PhD for software, bringing a researcher's rigor as well as health startup experience.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL, Cypher, HTML, CSS/Sass
Frontend: React, React Native, Expo, Next.js, Tailwind, MUI, shadcn/ui, React Router, TanStack Query, Redux/RTK, Zustand, GSAP, Data vis (Chart.js), Accessibility (WCAG, ARIA), Responsive design/dev, SSR/hydration, code splitting
Backend & data: Node.js, Bun, Express, REST, GraphQL, WebSockets, Zod, PostgreSQL, SQLite, Neo4j, ETL, Django
Security & auth: OIDC/SSO, Entra ID, RBAC, JWT
Design systems: Design tokens, Style Dictionary, Storybook, Chromatic, Figma Plugin API, Figma REST API
DevOps & tooling: AWS (CDK, Lambda, CloudFront, S3, SES, EKS), Docker, Kubernetes, Rancher, GitLab CI/CD, GitHub Actions, nginx, Turborepo, pnpm, Vite, Webpack, esbuild, PostCSS, Jest, Vitest, Playwright, axe, ESLint
AI & Agents: Claude Code, Kiro CLI, MCP, LLM integration, Claude API, OpenAI API

PROFESSIONAL EXPERIENCE

Charter Communications / Spectrum April 2025 – Present
Software Engineer
• **AI Tool Registry:** Proposed and built, with one other engineer, a TypeScript SDK and CLI for AI agent tools, now adopted as the company-wide registry for Kiro CLI and Claude Code across 40+ teams; retained as core engineer.
• **Codebase Intelligence Platform:** Initiated and built, with one teammate, an ETL pipeline (SQLite, Neo4j) and 23-tool MCP server to map a 40+ package micro-frontend; used by VPs/directors for scoping and informed a Bootstrap removal.
• **Accessibility & Tablet Readiness:** Led WCAG AA remediation of 150+ issues across 15+ teams, completed ahead of schedule, and delivered responsive in-store tablet experiences ~6 weeks early, for a platform used by thousands of agents.
• **AI Document Builder:** Proposed with a designer, then built with one teammate, an AI document builder (React, Bun, PostgreSQL) converting guided chat into PRDs in real time; 15 pilot users across two teams report faster first drafts.
• **Design Token Pipeline:** Built, on a two-person team, a Style Dictionary pipeline replacing hand-maintained tokens with npm packages for web, iOS/Android; owned its two-way Figma sync used to catch drift and an MCP server for AI agents.
• **Interactive UX Prototypes:** Replaced static mockups in UX testing with 10+ interactive React prototypes (3 solo), adding WebSocket and event-driven Node backends when needed for live behavior; surfaced flaws that led to redesigns.
• **Internal Tools Site:** Independently built Entra ID SSO (OIDC), RBAC and usage analytics for 30+ users, removing stored passwords; with a teammate, added SSR, route-level code splitting, unit/integration tests, and CI/CD to AWS EKS.
• **Mentoring & Review:** A main code reviewer for two internal platforms; onboarded contractors and a summer intern.

Verizon December 2024 – April 2025
Senior Figma Plugin Developer **Contract**
• **AI Design Auditing:** On a three-engineer team, built the Figma plugin (TypeScript, React) for an AI tool suggesting design system components to replace custom parts, ~85% accurate on a benchmark; tuned its Python LLM responses.

Charter Communications October 2024 – December 2024
Software Engineer I • Short-term contract; rehired as Software Engineer in April 2025, after the Verizon contract.

Troska Health July 2024 – December 2024
Fullstack Software Engineer – Health Insurance PaaS Startup **Part-time**
• **Web + Mobile Component Libs:** Built matching React and React Native (Expo, solo) component libraries from Figma designs, with shared design tokens and Storybook docs, speeding feature development by about a third (team estimate).
• **Passwordless Authentication:** Built magic-link sign-in end to end, from React and TypeScript screens to an Express API that emails a signed JWT link and verifies it against PostgreSQL accounts; used by ~50 early users and testers.

PROJECTS

• **ben-morrison.com:** Built a prerendered React/TypeScript site with a 20+ token-based component design system and theme creator, a Java 25 AWS Lambda contact API and AWS CDK infrastructure, tested with Playwright and axe.
• **Pharmaceutical Research:** Applied Python models to research data and external datasets; ASPET best abstract award.

EDUCATION

Fullstack Academy Software Engineering Bootcamp 2024
St. John's University - M.S. Pharmaceutical Sciences. 4.0 GPA. Data science focus. Left PhD for software. 2024
State University of New York, Binghamton - B.S. Biological Sciences. Cum Laude. 2021