

Josh Haughton

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PROFESSIONAL SUMMARY

Software Engineer with 3.5+ years of experience building high-traffic web applications for **75M+ user sessions** annually across **30+ locales**. Owns features end-to-end from discovery through production, driving frontend architecture and developer tooling decisions in React and TypeScript with a focus on accessibility and performance. Shipped wayfinding products for major malls, airports, and stadiums that consistently became a key sales driver.

WORK EXPERIENCE

Senior Frontend Engineer – Mappedin

Jan 2024 – Jan 2026

- Drove mobile and desktop frontend development across indoor mapping applications, shipping and maintaining wayfinding features deployed to enterprise venue clients on mobile and desktop.
- Led the development of the Level Selector (venue floor-switching UI) from discovery through rollout, introducing a composition-based architecture that reduced coupling and enabled scalable feature extension, with cross-browser support across mobile and desktop.
- Co-founded the shared component library, building core components, host-app locale syncing, and Storybook docs used by design and engineering as the single source of truth across multiple products.
- Shipped the QR scan-to-locate feature for major airport deployments, overriding the browser's Geolocation API with QR-anchored positioning to bypass unreliable indoor GPS, filtering noisy device signals for smooth tracking, and handling iOS Safari edge cases.
- Stabilized and productionized the v6 SDK compatibility layer, applying fixes across proxy adapters, camera translation, and event bridging to enable safe migration for the Web app.
- Cut main bundle size by **~30%** and improved time to first interactive using webpack-bundle-analyzer to identify bloat, pruning unused dependencies, and switching to cherry-picked module imports.
- Authored end-to-end Playwright tests across all major features using ARIA role-based selectors and a Page Object Model pattern, ensuring reliable and maintainable test coverage.
- **Technologies used:** React, TypeScript, MobX, Styled Components, Storybook, Playwright, Webpack

Frontend Engineer – Mappedin

June 2022 – Jan 2024

- Shipped the mobile turn-by-turn navigation experience from design to rollout with interactive transitions and progress tracking, becoming a key demo feature in enterprise sales conversations.
- Delivered relative landmark directions with a weighted scoring algorithm (distance, popularity, line of sight) so instructions reference nearby landmarks, making navigation more intuitive.
- Designed the authentication architecture for the MS Teams app integration, consuming REST APIs and implementing SSO-based token flow with Azure Blob Storage for a seamless web app implementation without manual authentication.
- Overhauled developer onboarding documentation and environment setup guides, cutting onboarding friction for new contributors.
- **Technologies used:** React, TypeScript, MobX, Framer Motion, Styled Components, Playwright

Web Development Intern – MoonBeam Trading Company

March 2022

- Developed a responsive Next.js site from scratch, applying SSR for SEO optimization and increasing organic traffic by **40%**.
- **Technologies used:** React, Next.js, Tailwind CSS

Freelance Digital Marketer

Jan 2021 – March 2022

- Optimized user experiences on Shopify and e-commerce platforms, driving an average **320%** conversion rate increase through landing page optimization and marketing strategies.

SKILLS

Languages: TypeScript, JavaScript, HTML, CSS

Technologies: React, Next.js, MobX, Redux, Styled Components, Tailwind CSS, Sass/SCSS, Framer Motion, REST APIs, Node.js

Testing: Vitest, Jest, Cypress, Playwright, Storybook, React Testing Library

Tools: Git, Webpack, Vite, Figma, Babel

EDUCATION

Lighthouse Labs Coding Bootcamp

Oct 2021 – Jan 2022

- Full-stack web development program focused on React, TypeScript, and Node.js through project-based learning.
- **Technologies used:** React, JavaScript, TypeScript, HTML, CSS, Node.js

Carleton University – Undergraduate Studies in Psychology

Sept 2019 – Sept 2021

- Applied consumer psychology background to user-focused frontend development.
- Secured a National Championship in varsity basketball.