

# Brian McLaren

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## PROFESSIONAL SUMMARY

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Frontend Engineer with 7 years building high-traffic, compliance-critical platforms where UI quality is non-negotiable. Deep in React, TypeScript, and design systems with an Industrial Design background that shapes how I approach interfaces before writing a line of code. Deliberately moving toward thick-client products where the frontend is the hard part: real-time data interfaces, complex client-side state, and AI-driven surfaces. Targeting roles in SaaS, sports tech, and fintech where the UI layer is mission-critical, not an afterthought.

## SKILLS

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**Languages:** HTML5, CSS3, JavaScript, TypeScript

**Frameworks:** React, Next.js, Node.js

**Styling:** Tailwind CSS, Framer Motion

**Accessibility:** Section 508 / WCAG compliance, W3C APG patterns, ARIA, semantic HTML

**Tools:** Git, GitHub, CI/CD pipelines, Vercel, Storybook

**Data and Auth:** PostgreSQL (Neon serverless), Drizzle ORM, REST APIs, JWT / jose

**Testing:** WebdriverIO, BrowserStack, E2E test coverage

**AI Tooling:** Claude (Anthropic), Cursor, GitHub Copilot, integrated into daily coding, review, and documentation workflows

## PROJECTS

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### HeatCheck -- NBA Player Trading Platform

Jan 2026 – Present

*Fullstack Engineer*

- Designed and built a full-stack web application end-to-end using React, Next.js, Node.js, and PostgreSQL, owning data modeling, API design, and UI in an agile, iterative workflow, resulting in a continuously deployed production platform via Vercel CI/CD.
- Integrated a RESTful data ingestion pipeline by fetching live NBA stats from an external API via automated cron jobs and storing processed results in PostgreSQL with Drizzle ORM, resulting in always-current data powering real-asset player transactions.
- Engineered custom JWT authentication with httpOnly cookies and CSRF protection without third-party dependencies, resulting in a secure, purpose-built auth layer for a platform handling real financial transactions.
- Shipped accessible, responsive interfaces using Shadcn/UI and Radix UI headless components in compliance with WCAG accessibility standards, resulting in a consistent cross-device experience across the full application.

## WORK EXPERIENCE

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### Memorial Sloan Kettering Cancer Center

Feb 2021 – Jan 2026

*Software Engineer (Front End)*

- Served as one of 3 frontend engineers powering a mission-critical platform used by millions of cancer patients annually to find care, book appointments, and manage their treatment journey on a high-availability system with zero tolerance for downtime.
- Architected a Storybook-driven React and TypeScript component library adopted as the team production standard by refactoring 30+ legacy components, resulting in measurably improved sprint velocity and fewer integration bottlenecks between engineering and product.
- Raised PageSpeed accessibility scores from 78 to 92 by resolving UsableNet audit findings and implementing W3C APG interaction patterns across core UI components, resulting in a more usable, compliant experience for millions of patients on a high-traffic platform.

- Built MSK's first geolocation-aware cookie consent system in TypeScript, surfacing compliant UI states for U.S. vs. international users and integrating with Cassie and GTM Consent Mode, resulting in correct tag-firing enforcement across all user contexts.
- Shipped WebdriverIO and BrowserStack E2E test coverage across 6 critical user paths by building automated test suites for the core patient journey, resulting in reduced manual QA overhead per release and higher team confidence to ship frequently.

### **Consumer Reports**

Sep 2019 – Jan 2021

*Front End Software Engineer*

- Architected a 60+ component Storybook library for a greenfield Vue.js donation application with auto-generated docs for every component, resulting in accelerated feature delivery, reduced engineering-to-design ambiguity, and a shorter onboarding ramp for new engineers.
- Rebuilt authentication and registration flows as mobile-first semantic HTML5 on a subscription platform where every sign-up is a direct revenue event, resulting in improved SEO indexation and reduced drop-off at conversion-critical touchpoints.

### **1800Flowers.com**

May 2018 – Feb 2019

*Front End Developer*

- Increased Harry and David checkout conversion by streamlining the purchase flow UI on a high-volume e-commerce platform, resulting in measurable conversion gains validated through A/B testing.
- Converted a fixed-width legacy storefront to a fully responsive design using semantic HTML5 and CSS3, resulting in a consistent cross-device experience for a large consumer audience.

### **Peekskill Web Design**

Mar 2015 – Aug 2015

*Front End Developer*

- Built custom WordPress themes for doula practitioners across multiple U.S. cities by collaborating directly with the founder to scope and execute client requirements, resulting in tailored, live sites with third-party plugin integrations specific to each practice.

### **EDUCATION**

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Bachelor of Science, Industrial Design | Art Institute of Pittsburgh | 2011