

Mark Barry

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Senior Software Engineer

Senior Software Engineer with 10+ years of experience building scalable, consumer-facing web applications across the frontend and backend, with extensive experience building complex user interfaces using React and TypeScript. Specializes in creating intuitive user experiences, performance-focused applications, and maintainable frontend systems. Proven track record of improving application performance, usability, and developer productivity through thoughtful engineering solutions.

Technical Skills

Frontend & Visualization

React, TypeScript, JavaScript (ES6+), Redux, Next.js
Interactive data visualization, complex UI state, performance optimization
react-flow, Nivo, framer-motion, Material-UI, shadcn/ui
Tailwind CSS, styled-components, Sass, CSS

Frontend Architecture & Tooling

react-query, zod, Jest, React Testing Library
Webpack, Vite, Gulp

Backend & Systems

Node.js, REST APIs, GraphQL, WebSockets
Ruby on Rails, C#, ASP.NET MVC, .NET Framework
SQL Server, T-SQL, Oracle
AWS, Azure, Firebase

AI-Assisted Development

Claude Code, Cursor, OpenCode, ChatGPT, AI-assisted software development
Retrieval-Augmented Generation (RAG), vector databases, Pinecone

Design Systems & Collaboration

Design systems, component libraries, Storybook, Figma
Responsive and accessible design (WCAG-aware)
Agile, Kanban, Jira, Confluence, Linear

Professional Experience

Kajabi — Irvine, CA

Senior Software Engineer

6/2021 – Present

- Led architecture and development of a complex interactive workflow builder using React Flow, creating reusable UI systems for modeling automation flows, branching logic, and dynamic state transitions.
 - Built and shipped an AI-powered knowledge assistant using Ruby LLM, Pinecone, WebSockets, and streaming APIs, delivering real-time contextual responses through a RAG architecture
 - Led migration of a large frontend codebase to TypeScript, improving developer experience, reducing runtime defects, and accelerating feature delivery through stronger tooling and type safety
 - Developed features across a Rails-based platform, contributing to frontend applications, backend services, API integrations, and AI-powered workflows
 - Owned frontend architecture and delivery for complex, data-driven products built with React and TypeScript in a Rails-based platform
 - Built accessible, responsive interfaces with a focus on clarity, usability, and inclusive design across devices
 - Built an AI-powered video transcription feature by integrating external APIs and managing large async data flows with react-query
 - Collaborated closely with backend engineers, product managers, and designers to evolve features from early concepts into robust, production systems
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QOS Networks — Irvine, CA

Frontend Software Engineer

8/2020 – 6/2021

- Built data-heavy dashboards and visualization interfaces using React, Next.js, and Nivo
 - Focused on presenting complex datasets in a clear, explorable, and performant way
 - Developed interactive UI components and animations to improve insight and usability
 - Integrated frontend systems with backend services and authentication using Firebase and Azure
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AutoGravity / Turn Car — Irvine, CA

Senior Software Engineer

5/2019 – 4/2020

- Developed customer-facing applications using React, Gatsby, GraphQL, and TypeScript
 - Built internal tooling and dashboards for managing vehicle inventory and fleet data
 - Contributed to frontend architectural decisions around component reuse and long-term maintainability
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iHerb — Irvine, CA

Senior Frontend Developer

11/2015 – 3/2019

- Led frontend initiatives for a high-traffic, global eCommerce platform serving millions of users
 - Designed and implemented performance optimizations reducing page load times by up to 2 seconds in the U.S. and 10 seconds internationally
 - Led frontend development for internal product management and back-office tools using React, Redux, and TypeScript
 - Collaborated on UI/UX design across desktop and mobile platforms, including localization and right-to-left language support
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Earlier Experience — 2005–2015

Web Developer / .NET Developer

- Built and maintained full-stack web applications using ASP.NET MVC, C#, SQL Server, Oracle, and JavaScript, developing business logic, APIs, database integrations, and customer-facing interfaces.
 - Established a strong foundation in full-stack development, frontend architecture, and performance optimization
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Education

University of California, Santa Barbara

Bachelor of Arts — Music (Theory and History)