

Jonathan Mooney

SOFTWARE ENGINEER

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Summary

Frontend web developer with **over 6 years** of experience specializing in **React**, **JavaScript**, **TypeScript**, and **CSS**. I have a proven track record of delivering high-quality, user-friendly web applications while staying current with the latest technologies and best practices. I am passionate about solving complex problems with clean, efficient code and am eager to contribute my skills within a collaborative, forward-thinking team.

Experience

Penumbra (penumbra.jonathanmooney.me) | Full-Stack Engineer 2025

- Built and deployed production-ready application for cataloging physical book libraries using **Next.js** 14 (App Router), **TypeScript**, **React**, **Prisma/PostgreSQL**, and **Clerk** authentication as a self-funded personal project
- Implemented comprehensive search with real-time filtering across multiple book attributes, utilizing optimized **Prisma** queries and database indexing for responsive performance
- Integrated **ISBNdb** API for automated metadata retrieval, significantly reducing manual data entry when cataloging books
- Optimized database performance through connection pooling and strategic indexing; deployed to **Vercel** with CI/CD and secure webhook endpoints
- Developed initial MVP independently then strategically adopted **Claude Code** to accelerate feature development, demonstrating both strong foundational skills and effective AI tool adoption

Rune Labs | Frontend Engineer 2022-2024

- Led cross-functional technical development of patient health dashboard refactor, implementing enhanced data visualizations with **Recharts** and modernizing UI/UX with **MUI** components while serving as technical advisor on clinical trial calls with neurologists
- Optimized **GraphQL** queries to reduce patient list load times by 60%, transitioned state management from **React Context** to **Zustand** eliminating boilerplate, and coordinated new **GraphQL** endpoint integration with backend teams
- Participated in client-facing meetings with healthcare providers, translating technical capabilities into clinical applications while maintaining HIPAA-compliant features for regulated medical environments
- Built reusable component library leveraging **MUI**, maintained comprehensive test suites (**Jest**, **Ghost Inspector**, **Cypress**) enabling CI/CD through **CircleCI**, and provided on-call production support

Opendorse | Frontend Engineer

2021-2022

- Developed multi-step deal builder wizard using **Formik** with seamless data submission, retrieval, and validation
- Created an activity log **React** component displaying a detailed, timestamped log of user-triggered events (e.g., edits, status changes) for deal processing transparency
- Collaborated with five developers across teams to initiate the transition to **TypeScript**, functional components, and **React Hooks**, improving code consistency and modernizing our development approach.
- Managed and updated automated testing suites utilizing **React Testing Library**, **Jest**, and **Ghost Inspector** to ensure code quality and reliability.

Field FX | Frontend Engineer

2018-2021

- Developed a **React** grid component optimized for Salesforce Lightning, enabling users to efficiently view and edit thousands of rows of data despite tight platform constraints.
- Developed multiple admin tools including custom tutorial flow builder and permissions visualization dashboards
- Created **React** applications for Salesforce object/field permissions management, improving admin efficiency for large datasets
- Managed **Librato** analytics dashboards, developed automation scripts for a device testing farm, and provided technical support to customers.

Skills and Proficiencies

Languages	Design	State Management	Testing	DevOps
JavaScript	CSS	Apollo GraphQL	Cypress.IO	CircleCI
TypeScript	MUI	React Context	Enzyme	Jenkins
	Styled Components	Redux	Ghost Inspector	Netlify
	Storybook	Zustand	Jest	Vercel
	Figma		React Testing Library	