

# MATTHEW BERNARD

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## PROFESSIONAL EXPERIENCE

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### Software Engineer, Rxelms

May 2024 - Present

- Developed and integrated wallet connection functionalities for multiple blockchains using React, enhancing compatibility and user interaction.
- Styled and structured blockchain selector forms using SCSS, ensuring a modern, responsive design.
- Developed and implemented multiple reusable React components to enhance application modularity.
- Maintained semantic HTML and accessibility standards, adhering to WCAG 2.1 guidelines.
- Collaborated with team members to seamlessly integrate new features and maintain a consistent user interface across the application.

### Front-end Software Engineer, Beige Video - Internship

September 2021 - September 2022

- Developed and maintained front-end web applications using React.js within an Agile team, enhancing user experience and engagement by 30% through optimized performance and intuitive navigation.
- Designed and developed the user interface for mobile application using React Native, resulting in a 25% increase in user engagement.
- Implemented accessibility best practices using WCAG 2.1 guidelines to improve SEO and a11y scores.
- Collaborated with back-end developers and designers to ensure successful and punctual deliveries.

### Front-end Developer - Paid Contractor

November 2023 - January 2024

- Streamlined React UI development for responsiveness and performance, utilizing React Testing Library to ensure high reliability and optimal user experience.
- Enabled decentralized file storage and sharing using IPFS, improving scalability and user privacy.
- Implemented Algorand blockchain transactions and enhanced security using cryptography libraries, ensuring secure and efficient user interactions.

## EDUCATION

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### University of California, San Diego

Computer Science, B.S.

GPA: 3.6

## PROJECTS

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### Event Management Platform - Personal

- Created event organization platform like Eventbrite utilizing Next.js, Tailwind CSS, and Stripe.
- Implemented advanced search, filtering, categories, and seamless checkout.
- Integrated Clerk, Mongoose, Shadcn, and Uploadthing for enhanced user experience.

### BISdle - Wordle-like Trivia Game - Personal

- Developed an interactive web application, using Next.js, React, and Riot API.
- Implemented server-side caching with custom middleware in Node.js to optimize API call efficiency, reducing load times and improving data retrieval performance by storing data.

### Book Tracker CRUD Application - School Group

- Developed a local-first CRUD web application for tracking progression of book reading.
- Leveraged GitHub Actions for CI/CD pipeline to ensure streamlined deployment and quality checks.

## SKILLS

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**Front-End:** HTML, CSS, JavaScript, TypeScript, React.js, Next.js, TailwindCSS, Shadcn, Chakra UI, Bootstrap, Vite, React Router, React Native, Redux

**Back-End/Databases:** Node.js, Express, MongoDB, Firebase, Clerk, RESTful, C++, Java

**Tools & Methodologies:** Git/GitHub, Agile, Zustand, Full-stack, UX/UI, WordPress, CMS