

# MATTHEW BERNARD

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## PROFESSIONAL EXPERIENCE

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### **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.

### **Front-end Developer** - Paid Contractor *August 2023 - October 2023*

- Developed a web platform dedicated to renting vehicles using vanilla HTML, CSS, and Javascript.
- Implemented an inventory system, providing tabular information and a contact form for inquiries.

## EDUCATION

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### **University of California, San Diego**

Computer Science, B.S.

GPA: 3.6

Course work: Web Client Languages, Online Database Analytics Applications, Software Engineering, Design & Analysis of Algorithms, Advanced Data Structures, Object Oriented Programming

## 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 for authentication, Mongoose for database management, and Shadcn and Uploadthing for UI and file uploads.

### **Social Media Web Application** - Personal

Developed a dynamic social media web application using Vite for fast development and build tooling, React, and Chakra UI for a modern, visually appealing design. Integrated Firebase for backend services, including real-time database interactions, user authentication, and cloud storage for media content.

### **Book Tracker CRUD Application** - School Group

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

## SKILLS

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### **Frameworks, Languages, and Techniques**

HTML, CSS, JavaScript, Typescript, React.js, Next.js, TailwindCSS, Shadcn, MongoDB, Clerk, Firebase, Zustand, React Router, React Native, Redux, Express, Node.js, Chakra UI, Vite, Agile, C++, Git/Github, Bootstrap, Java, RESTful, Full-stack, Wordpress, CMS, UX/UI

## CERTIFICATIONS

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**META Front End Development Course**