

# MATTHEW BERNARD

## Frontend Developer

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## PROFESSIONAL EXPERIENCE

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### Front-end Developer - Paid Contractor

*November 2023 - Present*

- Developed a React-based web application for a digital lottery system, integrating Algorand blockchain
- Implemented interactive UI elements and dynamic canvas rendering for graphic visualization
- Integrated IPFS for decentralized file storage

### 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.
- Focused on a user-friendly design and layout, enhancing the browsing experience for customers.

### Software Engineer, Beige Cashmere - Internship

*September 2021 - November 2022*

- Implemented several mobile application pages using React Native in an Agile team environment.
- Produced MVP UX Design for the Beige Mobile App in Figma to attract investors for company.
- Developed car rental website using WordPress utilizing application forms, popups, and plugins.

## EDUCATION

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### University of California, San Diego

*September 2019 - June 2023*

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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### Social Media Web Application

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

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

### Contact Management Application

A web application that allows users to manage their personal Contacts. Built using React, Redux, and Node.js. HTTP Requests made with Axios Library.

## SKILLS

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### Programming Languages and Techniques

HTML, CSS, JavaScript, C++, React.js, React Native, Express, Node.js, Chakra UI, Vite, Agile, Git/Github, Bootstrap, Java, Firebase, Web Responsiveness, Web Accessibility

## CERTIFICATIONS

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### META Front End Development Course

A 9-course certification designed by software engineering experts at Meta, focusing on front-end web development using HTML5, CSS, JavaScript, Bootstrap, React, and Figma. Encompassed hands-on projects, culminating in a Capstone project to design a front-end web application.