

# MATTHEW BERNARD

## Frontend Developer

matthewbernard.site | linkedin.com/in/matthewbernard | github.com/mibernard  
(818) 640-2053 | matthewbernard4@gmail.com | Los Angeles, CA

### 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

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.