MATTHEW BERNARD

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PROFESSIONAL EXPERIENCE

Software Engineer, Algorand Foundation - Contract   *June 2024 - December 2024*
- Developed a full-stack developer portal for Algorand using Next.js, TypeScript, React, and Tailwind.
- Developed a secure backend hosted on GCP using Express/Node.js and Docker to execute user code.
- Implemented a paginated search feature and incorporated ARIA accessibility to ensure usability.
- Maintained semantic HTML and accessibility standards, adhering to WCAG 2.1 guidelines.

Front-end Engineer, Realms - Contract   *January 2024 - May 2024*
- Developed and implemented dynamic and responsive Vue.js components using Tailwind CSS, increasing user interaction and driving a 30% increase in user engagement.
- 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.

Front-end Software Engineer, Beige Video - Internship   *July 2022 - 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 Figma and React Native.
- 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.

EDUCATION

San Jose State University - Software Engineering M.S.   *January 2025 - Expected December 2026*
University of California, San Diego - Computer Science B.S.   *September 2020 - June 2023*

PROJECTS

MedScribe, Healthcare Agentic AI Platform - Hackathon
- Developed an AI-powered transcription and documentation platform using Next.js, Gemini, and MongoDB to streamline medical workflows.
- Integrated ElevenLabs and Twilio for voice processing, reducing administrative tasks by 40%.
- Designed WCAG-compliant UI with keyboard navigation and screen reader support for accessible healthcare documentation with fast load times for bandwidth-sensitive users.

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 enchanced user experience.

Wordle-like Trivia Game - Personal
- Developed an interactive web application, using Next.js, React, and API integration.
- 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.

SKILLS

Front-End: HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Vue.js, Nuxt.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