John Rao   Software Engineer

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Software engineer with experience building frontend UIs, specializing in dynamic react web applications

Languages/ Tech: Typescript, JavaScript, React, Next, Node.js, Git, Vite, Express, Redux, Zustand, Tailwind, Bootstrap, Firebase, MongoDB, Three.js, Vercel, Heroku

Professional Experience

Weisser, Elazar & Kantor, PLLC • www.weklaw.com • 2024

WEB DEVELOPER

- Designed and developed a comprehensive website from scratch using Next.js app router, styled meticulously with Tailwind UI for a modern and responsive user experience.
- Integrated essential functionalities such as accessibility compliance for all users, multi-language support through Crowdin and i18n for seamless translations, and live chat features to enhance user engagement and provide immediate assistance.
- Implemented Google Analytics to measure user engagement and utilized Firebase/Firestore to manage user information.

Kallijax • 2018 to 2022

WEB DEVELOPMENT SPECIALIST

- Led the creation of e-commerce websites, collaborating closely with software engineers and company executives.
- Established a business specializing in comprehensive digital marketing and web development during an opportune period.

Projects

Portfolio • www.johnrao.com
- 3D interactive portfolio built with Three.js and Ammo.js for real-time physics detection.
- Built with a mobile first responsive design that incorporates joystick functionality for use on mobile devices.
- Set event listener using a raycaster to determine when the cursor is hovering over clickable objects/links on web app.

Fairbnb • www.getfairbnb.com
- Pseudo property rental application that allows users to book travel rentals using an intuitive location search tool.
- Developed a full-stack application, delivering responsive and optimized user interfaces with React and Tailwind CSS.
- Integrated Firebase Authentication for secure and efficient user authentication, meticulously managing user info in Firestore.
- Enhanced user interaction by integrating the ChatGPT API, allowing users to ask and receive answers to any questions.
- Implemented state management using Zustand to optimize performance and user experience effectively.

Bull vs Bear Trading • www.bullvsbeartrading.com
- Pseudo stock trading application allowing users to buy and sell stocks and analyze metrics.
- Full stack application built with a React frontend and Node.js backend.
- MongoDB as a database to store user/stock info. Collected user info from database in API components.
- Once a user dispatched an action, info is fetched using Axios and updated application state with Redux global data store.

The Odin Project
- Self-paced, open-source coding curriculum, acquiring full-stack programming skills applied in real-world projects.
- Established foundational knowledge in HTML/CSS, and JavaScript, emphasizing functional and object-oriented programming.
- Engaged in hands-on learning through coding challenges focusing on foundational skills like file structure and Git workflow.
- Focus on frontend UI's using React functional components rendering info as necessary during the component life cycle.

Education & Credentials

Bachelor of Science, Financial Economics • President of Enactus, Appointed CEO

BINGHAMTON UNIVERSITY | Binghamton, NY