ZOREN LABRADOR

SOFTWARE ENGINEER

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TECHNICAL SKILLS

JavaScript(ES6+), TypeScript, HTML/CSS, Tailwind, Node.js, Express.js, React.js, Next.js, Jest, REST, NoSQL (MongoDB), SQL (PostgresQL), AWS, Agile, Git, Cypress, Playwright

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EXPERIENCE

SeeQR (Open Source)   October 2023 - Present
Software Engineer
- Implemented a statically typed system with TypeScript, improving code reliability and developer productivity.
- Doubled user engagement metrics and boosted user interaction with the diagram view by overhauling app UI with modern JavaScript frameworks/libraries, native-browser techniques, and MUI.
- Incorporated Electron.js to access desktop native functionalities, optimized local database interaction, and streamlined app distribution across platforms for enhanced user accessibility and reach.
- Improved testing coverage across the codebase significantly by executing back-end unit tests with Jest, validating the functionality of queries and CRUD operations.
- Transitioned SeeQR's online platform from Vercel to AWS, utilizing cloud services for website deployment and bolster security measures for future iterations.
- Guided team workflow as Scrum Leader, fostering effective collaboration and accountability among team members, leading to successful 3-week sprints to deployment.

Palacio Inc.   December 2022 - July 2023
Junior Software Engineer
- Developed an API utilizing Node.js and Axios library methods to manage server requests, primarily ensuring user authentication, image storage, and database fetching functionalities.
- Designed custom components for Canvia's website using React.js and utilized front-end optimization techniques resulting in quicker image load times.
- Integrated Google OAuth as an option for user authorization, streamlining user login processes.
- Optimized image storage infrastructure through MongoDB clusters, facilitating horizontal scalability, seamless data management, and performance tailored to application demands.
- Ensured proper functionality of digital canvas displays and facilitated the shipment of thousands of units to clients worldwide.

PROJECTS

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- Developed and designed a website for a client using Next.js and Vercel, focusing on SEO optimization.

Dog Corp 2.0
- Implemented Supertest library for backend unit-testing, verifying API calls for correct account details from SQL database, covering the entire backend and achieving accurate database responses.
- Leveraged React testing library for front-end component testing, resulting in a decrease in user-reported bugs and increase in user engagement.

Quest Board
- Implemented Redux for centralized state management.
- Enforced ACID-compliant data storage by integrating PostgresQL, providing reliable data storage.

EDUCATION

Codesmith | Full-Time Advanced Software Engineering Immersive   September 2023 - December 2023
San Jose State University | Bachelor of Science Degree   September 2018 - May 2022

TALKS & PUBLICATIONS

"AWS & CloudTech" | **Tech Talk,** Sponsored by Caseblink
"SeeQR Evolves With Version 13: Bridging Data With Efficiency" | **Medium Article**