

# ZOREN LABRADOR

## SOFTWARE ENGINEER

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### TECHNICAL SKILLS

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

### EXPERIENCE

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#### SeeQR, (OSLabs) | Software Engineer

May 2023 - Present

- Incorporated TypeScript interfaces and types to enhance the codebase's dependability and facilitate seamless cross-team code integration, ensuring long-term stability and scalability.
- Overhauled app UI with react-flow, native-browser techniques, and MUI to create an interface that doubled user engagement metrics and boosted user interaction with the diagram view.
- Integrated Electron.js to access desktop native functionalities, optimized local database interaction, and streamlined app distribution across platforms for enhanced user accessibility and reach.
- Conducted back-end integration tests using Jest to ensure queries and CRUD functionality are working as intended which led to a 25% increase in testing coverage of the entire codebase.
- Transitioned SeeQR's website deployment from Vercel to AWS to utilize AWS Elastic Beanstalk and IAM for app scalability and security for future iterations.
- Managed team workflow as Scrum Leader, fostering efficient collaboration and accountability among team members, resulting in successful 3-week sprints to deployment.
- Development under tech accelerator OS Labs, advancing the trajectory of an existing project and ensured sustainable growth.

### PROJECTS

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#### Quest Board

- Designed a user interface for scrum board task management using React, leveraging a set of highly customizable and reusable components to enhance UI development efficiency.
- Employed Redux for centralized state management, enhancing development efficiency and facilitating streamlined future development.
- Enforced ACID-compliant data storage by integrating PostgreSQL, providing reliable data storage for user accounts and task information.

#### Doggo Corp 2.0

- Deployed Supertest library for backend 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.

#### Nutrition and Recipe Tracker

- Selected MongoDB as the primary database to serve the app's horizontal scalability requirements and manage large data volumes.
- Developed an intuitive app interface creating and viewing recipes using HTML and CSS.

### EDUCATION

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- Codesmith** | Full-Time Advanced Software Engineering Immersive April 2023 - August 2023
- San Jose State University** | B.S. Degree in **Kinesiology and Exercise Science** September 2018 - May 2022

### TALKS & PUBLICATIONS

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- Tech Talk** | ["AWS & CloudTech"](#) | Sponsored by Caseblink September 2023
- Medium Article** | ["SeeQR Evolves With Version 13: Bridging Data With Efficiency"](#) February 2024

### HOBBIES & INTERESTS

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- Open Source, PC & Keyboard Building, Competitive Powerlifting, Health & Fitness, Thrifting, Fashion, Foodie