

# ZOREN LABRADOR

## SOFTWARE ENGINEER

[zalabrador@gmail.com](mailto:zalabrador@gmail.com) | [linkedin.com/in/zorenlabrador/](https://www.linkedin.com/in/zorenlabrador/) | [github.com/zorenal](https://github.com/zorenal) | [zordevport.vercel.app](https://zordevport.vercel.app)

### 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

October 2023 - Present

- Integrated TypeScript to fortify the codebase's reliability and enable effortless cross-team code integration, guaranteeing stability, scalability, and decreased runtime errors for developers.
- 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.
- 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 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.

#### Palacio Inc., (Canvia) | Junior Software Engineer

December 2022 - July 2023

- 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 better user experience.
- Integrated Google OAuth as an option for user authorization, streamlining user authentication processes.
- Deployed MongoDB clusters to optimize image storage, ensuring efficiency and horizontal scalability.
- Ensured proper functionality of digital canvas displays and facilitated the shipment of thousands of units to clients worldwide.

### PROJECTS

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#### Quest Board

- Employed Redux for centralized state management, improving 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

- 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.

### EDUCATION

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- Codesmith** | Full-Time Advanced Software Engineering Immersive September 2023 - December 2023
- San Jose State University** | B.S. Degree September 2018 - May 2022

### TALKS & PUBLICATIONS

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