

# KRISETTE MAREE ODEGARD

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## TECHNICAL SKILLS

TypeScript, JavaScript (ES6+), React (Hooks), React Router, Redux, Sass, Node.js, Express, SQL databases, NoSQL databases, HTML5, CSS3, TailwindCSS, Git/GitHub, testing (Jest, Supertest, React Testing Library, Puppeteer, WebdriverIO), GraphQL, Vite, Webpack, accessibility (WAI-ARIA), Electron, Material-UI, AWS (EC2, Lambda, Amplify, Elastic Beanstalk), Docker

## EXPERIENCE

### [Ghost](#) (Open Source Tool)

2022 - Present

#### Software Engineer

- Collaborated with 4 other engineers to create an open source tool for AWS Lambda functions that allows developers to easily visualize metrics via custom graphs, manage function permissions, calculate future prices, and view pricing history
- Generated test AWS Lambda functions to replicate the target user's experience and extract real-time critical metrics to enable developers to make data-driven decisions for serverless architecture
- Integrated React's Context API to streamline management of single source of truth and enable application scalability by creating reusable code and reducing redundant code
- Adopted TypeScript in 50% of the codebase, utilizing the strong type system to reduce the risk of runtime errors, improve readability, and bridge the knowledge gap between developers
- Increased development efficiency and speed by applying TailwindCSS's utility-first approach and using a wide range of utility classes to style the user interface, resulting in a more maintainable codebase
- Streamlined the efficiency and effectiveness of the design process by using Figma to wireframe and prototype UX components, significantly reducing the probability of lengthy refactors and increasing design iteration speed
- Designed and implemented a high-performance Node.js/Express server utilizing the single threaded, event-driven architecture and non-blocking I/O operations to handle HTTP requests to multiple endpoints, retrieving real-time user data from AWS
- Performed unit and integration testing with Jest and Supertest with goal of 80% coverage to verify the functionality and performance of the code and improve scalability
- Deployed product through Electron by creating MacOS and Windows distributables to promote cross-platform accessibility and expand the user base
- Developed under tech accelerator OS Labs ([opensource labs.io](https://opensource labs.io))

## PROJECTS

### [What's Next](#) | Software Engineer

- Engineered a React application using Next.js for the automatic code-splitting and optimized server-side rendering to provide users with a seamless and highly performant experience with increases in page load speed

### [Meet Me at the Spot](#) | Software Engineer

- Iterated on a single-page application by expanding existing SQL database for storing and managing locations to include uploading photos for each location for user ease-of-use

### [Welcome Home, Friend](#) | Software Engineer

- Applied the Material-UI component library through React to create a responsive user interface that facilitates modularity and improves code reusability

### [Imagine](#) | Software Engineer

- Created a single-page application (SPA) using React with Hooks by creating functional components and abstracting stateful logic from components for code reusability
- Improved flexibility and scalability of SPA by integrating Apollo GraphQL with a non-relational database to fetch and mutate resources in a single request, resulting in reduction in the number of API calls required

## PUBLIC TALKS

### CSS Libraries - Jeeny + Bractlet Speaker Series

2022

- Discussed the advantages and disadvantages of using different CSS libraries such as Bootstrap, Tailwind, Milligram, and Bulma

## EDUCATION

### Codesmith | Advanced Residency for Software Engineering

2022

### Roseman University of Health Sciences | Bachelor of Science, Nursing

2016

## INTERESTS

Visiting Disney parks all over the world (currently 3/6: Disneyland, Disney World, Tokyo Disney) | Playing MMORPGs (Level 90 Reaper + omni-crafter/gatherer in FFXIV) | Watching anime (all-time favorites: Demon Slayer, Cowboy Bebop)