

Chihiro Snider - Software Engineer

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Skills

JavaScript, TypeScript, React, Redux, Node.js, Express.js, SQL (PostgreSQL), NoSQL (MongoDB), Redis, Docker, AWS (EC2, Elastic BeanStalk), HTML, CSS & Sass, Chakra, Styled Components, ArcGIS API, Jest, React Testing Library

Experience

Software Engineer @OSLabs/ RediScope (Open Source) // www.rediscope.com

2022 - Present

A web application that visualizes Redis cache performance metrics such as cache hit ratio, memory usage, evicted keys, and more

- Used React and Chart.js to create a dashboard of Redis metrics in real-time where users can set desired intervals and data points
- Reduced post-deployment errors using TypeScript to provide type safety, compile-time error checks, and legibility to JavaScript
- Implemented PostgreSQL database to store user data and Redis URLs to create an unchanging and ACID-compliant environment allowing secure and fast query processing
- Created a dashboard design with the styled-components library to allow concurrent server-side rendering with stylesheet rehydration, eliminating the need to use CSS classes in React components
- Deployed the application using Docker and EC2, allowing users to access from any machine and any location in a secure and consistent way
- Integrated user signup and log-in feature by creating middlewares using Node, PostgreSQL, and Bcrypt to protect users against brute force attacks

Software Engineer @freelance

2022 - Present

Places You'll Go

A web application to keep track of dream destinations and visualize them on a map using ArcGIS API

- Displayed an interactive world map using ArcGIS API with features to locate a city directly from user input and create a graphic to display on the map instantly
- Architected Node.js/Express server to efficiently handle HTTP requests by using middlewares to optimize throughput and scalability
- Created a MongoDB server and designed a schema to best handle geolocation and user input data used in the app
- Used CSS, flexbox, and a color palette to create a visually cohesive design and a responsive layout

Localization Example // <https://localization-example.netlify.app>

A web application to demonstrate good software l10n (Localization) practice. Created as a resource for a lecture for other engineers

- Used React and Vite to create an example of best practices for localizing an English website to Spanish and Japanese by modularizing translated strings to allow for scalability and flexibility
- Gave a presentation on l10n for a group of software engineers along with documentation

Moodswings

A web application for personal journal entries that adds a mood tracker graph view of your mental state over time.

- Created reusable components and hooks using React to manage different states
- Utilized React Router to enable seamless transition, allowing users to easily navigate between pages without reloading in a single page application
- Visualized user's mood scale data over time using React-Chart.js for seamless integration between React components and retrieved data
- Wrote tests using Jest to ensure an error-free Node.js server-side connection and React frontend rendering

Lecture

Tech Talk on "Software Localization" @ JEENY and Bractlet Speaker Series // [Lecture Video](#)

- Gave a lecture on software localization to 50+ software engineers by providing a custom-made [example localized website](#), accompanying [GitHub repository](#), and a step-by-step guide to implementing scalable software localization principals

Education

- Codesmith, Tech Accelerator
- The Juilliard School, Bachelor's & Master's degree

Interest

- Enjoy trying out new recipes from *New York Times Cooking* - recent favorites include: Savory Shortbread Cookies With Olives and Rosemary, San Francisco-Style Vietnamese American Garlic Noodles, as well as practicing Yoga and mindfulness meditation