

Hina Khalid

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Experience

OpenFin • Software Engineering Intern

January 2023 - July 2023

- Designed and implemented innovative features, leveraging React and JavaScript, to add tablet compatibility to the Workspace product for a cohesive cross-platform experience
- Improved current products by engaging in initiatives to guarantee compliance with web accessibility standards and inclusive design practices
- Increased unit test coverage for two different environments (Notification and Workspace) using the Jest framework
- Wrote documentation with TypeDoc and built durable stand alone UI components with Storybook to ensure that the OpenFin API is easy to navigate and clients can visually interact with their desired components
- Architected new features, adhering to best coding practices, and contributed to the team's agile development process
- Demonstrated proficiency in software development using Javascript, Typescript, and React
- Assisted support engineers in client calls to help debug operating system issues within the OpenFin software
- Gave a company wide Tech Talk on the importance of accessibility and why engineers should have accessibility in mind when writing code

DevDux • Software Engineer

August 2022 - October 2022

- Used VS Code API to create a tree view extension that displays components, reducers, modifiers, and props from front-end React files
- Wrote custom algorithms for traversing each file within an application to parse JavaScript, TypeScript, JSX, and TSX
- Traversed an Abstract Syntax Tree from Babel-parser to extract information to build a tree view data visualization tool
- Used D3.js to create a dendrogram tree to display Redux features and how they relate to one another
- Converted JavaScript to TypeScript to benefit from compile-time checks

Projects

BeatBooks - Web application that recommends music albums based on books

- Implemented React Hooks to dynamically fetch data and re-render user interface and styled application using HTML and CSS
- Utilized Spotify and Gutendex APIs to generate a customized playlist for users based on their input
- Took advantage of React Router to implement client-side routing, minimized server load, and ensured a positive user experience
- Standardized code by refactoring components to functional syntax to ensure readability and consistency

LociSpots - Web application that publishes crowd-sourced reviews of restaurants

- Used PostgreSQL to maintain upvotes/downvotes on a per user basis and prevent double voting
- Constructed Node and Express for route handling and middleware chaining to modularize backend request
- Implemented GitHub's OAuth for easy login and to protect user credentials by providing access to the application's data without revealing personal identity

Education

CodeSmith - Software Engineering - 2022

Masters' Degree - 2022

Bachelors' Degree - 2018

Talks & Publications

Importance of Accessibility Tech Talk - OpenFin, 2023

New React and Redux features - Jeeny & Bracelet Series, 2022

DevDux Medium Article - <https://devdux.medium.com/>