Francis Lee, Front End Developer

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PROFILE

Passionate Front End Developer with a creative mind and a strong understanding of good software methodologies. Gained valuable experience building responsive websites and components from 2 internships and various personal projects.

EDUCATION

Mar 2018 - Nov 2021

B.E(Hons.) in Software Engineering, University of Auckland

GPA: 7.38/9 (A-/A Average)

Achievements:
- Graduated with First Class Honours
- First in course for SOFTENG 351 Fundamentals of Database Systems
- Runner-up award for final year project

EMPLOYMENT HISTORY

Feb 2022 - Present

Front End Developer, Quantiful

- Identified key issues with the existing codebase to facilitate changes which increased code maintainability.
- Assessed wireframe feasibility and translated them into functional components using React/Redux and Typescript.
- Fixed existing bugs within the code to enhance software functionality and overall user experience.

Nov 2020 - Feb 2021

Front End Developer Intern, Quantiful

- Designed and implemented new features requested by clients to increase user satisfaction.
- Developed new unit tests with Jest/React Testing Library and updated integration tests to reduce faulty tests down to 0.
- Assessed UX and UI designs for technical feasibility to display dynamic data with Recharts library.
- Worked in an agile environment and gained experience in scrum methodologies.

Dec 2019 - Feb 2020

Software Developer Intern, Woork.

- Designed and built various responsive components for new features using React.
- Handled user input changes with GraphQL mutations and stored data in DynamoDB.
- Queried the database using GraphQL along with Apollo to cache data and boost fetch performance by up to 200%.

PROJECTS

<u>What to Eat</u>   *Personal Project*

- Created a minimalistic single page web application using Vue.js which allows users to construct their own list of restaurants and sort them into custom categories.
- Implemented a backend with user authentication and CRUD operations using Firebase Realtime Database.

<u>Chancery</u>   *Client Project*

- Created the front end for a flashcard web application that helps people prepare for their next investment banking interview.
- Utilized the Material-UI library with React to accurately build out a prototype in both light and dark mode.
- Implemented flashcard functionality by utilizing Redux to maintain application state.

<u>Varpedia</u>   *University Project*

- Developed a learning tool application targeted towards secondary language learners that creates a video with images, audio and text based on the user's search term.
- Designed the GUI using JavaFX and Java + Bash for the backend using MVC design pattern.
- Integrated multi-threading to prevent the UI freezing from CPU intensive operations.
- This project was shortlisted as one of the best designs in a class of 100 people.

SKILLS

Javascript, Typescript, React, React Native, HTML/CSS, Java, OOP, Git

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REFERENCES

References available upon request