Finn Buick

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SOFTWARE ENGINEER

WORK EXPERIENCE

Upstreet

FULLSTACK ENGINEER | APR 2021 - PRESENT

- Developed and maintained a multi-tenant **React/Next.js, Typescript** application featuring role-based access control, empowering our clients to manage internal employee share rewards on our platform.

- Delivered the initial release 1 week ahead of schedule by collaborating closely with the backend API team. Designed and implemented a bulk upload feature that improved the client efficiency of adding rewards onto the platform by more than 90%.

- Played a leadership role in the creation of a comprehensive full-stack web application utilising **React**, **Typescript** and **Material UI**. Collaborated with product team to manage project timelines and estimation. Created new **Typescript** APIs with **GCP** Cloud Functions and **Firebase**.

- Actively promoted knowledge sharing in engineering meetings, introducing new technologies and insights to improve the team's productivity and efficiency. Notably, introduced and demoed **React Query** in multiple frontend projects, inspiring the mobile team to find a Flutter counterpart.

- Architected and implemented a bespoke email verification system using **React**, **Firebase** Auth SDK, and **SendGrid**, enhancing the security and reliability of user interactions on our platform while also improving the user experience by using familiar design elements.

EDUCATION

Macquarie University

BACHELOR OF ENGINEERING, SOFTWARE (HONS) 2015 - 2021

The Joy of React 2023

JOSH W COMEAU

The Modern React Bootcamp 2021

UDEMY

SKILLS

PROGRAMMING LANGUAGES

TypeScript, JavaScript, Python, Java, HTML, SASS, CSS, SQL

LIBRARIES & FRAMEWORKS

React, Next.js, Express, Jest, MUI, TailwindCSS, Firebase, Jest, Cypress

TOOLS & PLATFORMS

Git, Github Actions, GCP, Vercel, Firebase, Terraform, Jira, Slack, Confluence, DataDog, Winston

PROJECTS

SPOTIFY JUDGER

Built an engaging chat bot that playfully evaluates users' music preferences using OpenAI's Chat Completion API and the Spotify Web API. This project honed my skills in Next.js 13, Tailwind CSS and prompt engineering. Try it out @ https://spotify-judger.vercel.app/.

FINGER COUNTER

A university project to identify the number of fingers a person was holding up in a live video stream using computer vision. Written in **Python** and utilizing a computer vision library called **OpenCV**.

INTERESTS

Running, Surfing, Golf, BJJ, Travel and Cooking