

Afan Ahmed

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PROFESSIONAL SUMMARY

BE(Hons) Graduate from The University of Auckland with over 3 years of working experience, specialising in full-stack software engineering with a keen passion for frontend engineering.

WORK EXPERIENCE

Software Engineer, Sandfield Associates

Jan 2020 - Jan 2022

- Reworked the stock take mobile application module leading to an increase in usage from 10% to 90%+ across NZ and AU branches. This involved conferring with clients directly for requirements, remodeling the entire UI with the help of designers, migrating the frontend data store from WebSQL to IndexedDB and architecting the structure of the data, database tables and stored procedures required.
- Scaled the module to handle real-time updates when multiple people are stocktaking the same shipment by making use of JavaScript web workers, promises and long-polling.
- Developed full-stack features within Sandfield's largest web application using JavaScript, C#, SQL, ASP.NET, SCSS.
- Optimised page performance using lazy loading, minimising layout shifts, cleaning up code like irrelevant CSS, adding indexes to columns among other optimisations reducing load times by up to 70% on some pages.
- Mentored and onboarded new members to the team assisting them with environment setup, code reviews, issue replication, providing insight to the overall application flow and best practices.

Software Engineer Intern, Sandfield Associates

Sep 2018 - Jan 2020

- Assisted in development of an automated testing framework using Selenium, JavaScript, HTML, SCSS, C# and SQL.
- Created automated tests using the developed framework for our largest client saving them 100+ hours in regression testing every release.
- Created CPU usage logging charts using Highcharts library which are now being used to monitor internal processes.

PROJECTS

TikTok Clone – <https://tiktok-clone-eta.vercel.app/>

Jul 2022

- Built and deployed a TikTok Clone to solidify understanding of new technology I'm interested in.
- Technologies used: Next.js, TypeScript, Zustand, Sanity CMS, TailwindCSS, Google OAuth, Styled Components

Google Drive Clone – <https://moogledrive.com/>

Apr 2022

- Created a MVP of Google Drive allowing users to create accounts, create folders and upload files.
- Applied best practices by writing end-to-end tests using Cypress.
- Technologies used: React, Hooks, Context API, React-Bootstrap, Firebase, Cypress

Spotify Playlist Maker – <https://afaneeos.com/>

May 2018

- Streamlined the process of making playlists in Spotify by giving users the ability to directly search for songs and save them into a playlist through the browser using Spotify API and OAuth 2.0.
- Technologies used: React, REST API

EDUCATION

Bachelor of Engineering (Honours) – BE(Hons), Mechatronics, The University of Auckland

May 2020

SKILLS

Proficient: JavaScript (ES5/ES6+), React, HTML5, CSS3 (SCSS/SASS), TailwindCSS, C#, Microsoft SQL Server, ASP.NET, Cypress, Styled Components, GIT

Familiar: Java, TypeScript, Next.js, React Native, Zustand, Context, jQuery, GraphQL, GraphCMS, Sanity CMS, IndexedDB, Selenium, Firebase, Jest, Webpack, Material UI, MVC, R