

# Afan Ahmed

Melbourne, VIC, AU | (NZ Citizen) | +64 (020) 414-00988 | [ahmed.afanami@gmail.com](mailto:ahmed.afanami@gmail.com)  
<https://github.com/afanami> | <https://linkedin.com/in/afanahmed> | <https://afanahmed.me>

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

## WORK EXPERIENCE

---

### Software Engineer, Sandfield Associates

Jan 2020 - Jan 2022

- Developed full-stack features for Sandfield's largest client using JavaScript, C#, SQL, ASP.NET, SCSS.
- Reworked the stock take mobile application module from frontend to backend, communicating with cross-functional teams, leading to an increase in client usage from 10% to 90%+ across NZ and AU branches.
- Scaled the module to handle real-time updates when multiple people are stocktaking by making use of JavaScript web workers, promises and long-polling, shaving hours off the client's stock take process.
- Optimised page performance using techniques like lazy loading, minimising layout shifts, adding indexes to columns, among other optimisations, reducing load times by up to 70%.
- Incorporated accessibility best practices for our client's application enhancing user experience and resulting in the client wanting to implement this across the entire application thus bringing in more revenue for the company.
- Mentored and onboarded new members to the team helping 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

- Worked in a team of 3 under supervision of a Senior Software Engineer to develop an automated testing framework using Selenium, JavaScript, HTML, SCSS, C# and SQL, which was later sold as a company product to clients.
- Created automated tests using the developed framework for our largest client saving them 100+ hours in regression testing every 6-week release.
- Developed a CPU utilisation heatmap using Highcharts library which are now being used to monitor internal processes and identify hotspots in the database servers throughout the day.

## 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.
  - Used a CMS for the backend, Sanity, and a lightweight state management system, Zustand, to focus on the frontend.
- Technologies used: Next.js, TypeScript, Zustand, Sanity CMS, TailwindCSS, Google OAuth, Styled Components

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

Apr 2022

- Developed a MVP of Google Drive allowing users to create accounts, create folders and upload files.
  - Tested each part of the application by writing tests using Cypress, an end-to-end testing framework.
- Technologies used: React, Hooks, Context API, React-Bootstrap, Firebase, Cypress

## 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#, T-SQL, ASP.NET, Cypress, Styled Components, SQL Server, GIT

**Familiar:** TypeScript, Next.js, React Native, jQuery, GraphQL, Sanity CMS, IndexedDB, Jest, Selenium, JIRA