Josh Richards

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I am interested in a full/part-time position developing web or mobile applications for a great company. Last summer, I gained professional experience developing in React, TypesScript, C# and ASP.NET while working on Xero's Invoicing platform. I am currently working to develop a full-stack portfolio management platform using React, Typescript, and Firebase called "Ticker Tracker'' that has over 500 users. Working on challenging software problems with real impact is what I want to be doing in my career.

Skills

- **Languages =** JavaScript, C#, Python, Java, SQL, HTML, CSS, Ruby, F#, PostgreSQL, SQL Server
- **Frameworks =** React, Typescript, SCSS, ASP.NET, Django, React Native, Ionic, Node.js
- **Technologies/Concepts =** Git, Agile, REST API, Google Analytics, AI/ML, CI/CD, TeamCity, Docker, Firebase, Redux
- **Achievements =** Public Speaking Grade 8 with Distinction

Work Experience

Xero Software Developer Intern - 2020/2021 Summer (Referees can be provided)

- **[React | TypeScript | C# | ASP.NET | SQL Server | Agile | Git | CI/CD | GTM]** I was part of the development team working on 'New Invoicing'**.** This is a project to convert Xeros classic invoicing platform to a modern, responsive, internationalised user interface (over 50,000 organisations use the New Invoicing platform). The team worked effectively using the Agile framework Scrum, of which I facilitated multiple demos, standups and retrospectives during my internship.
    - I created a pop-up that is triggered when a user fills out an invoice incorrectly. I then added analytics to it through Google tag manager, giving the team insight into the user's interpretation of the user interface.
    - I created an architecture document of the New Invoicing front-end and back-end to help onboard new team members.
    - I completed several additional tasks independently on the frontend and backend of the product.

CR Automation Intern - 2019/2020 Summers (Referees can be provided)

- **[C# | .NET | SQL Server]** I built a Business Intelligence Agent that receives data from a data source (e.g. PLC, Computer, Database, etc.) and sends it to multiple SQL Server databases or files using various communication protocols concurrently.

Chatime - part-time during 2019   New World Supermarket - part-time through 2015-2016

Personal Projects

Ticker Tracker - React | Typescript | SCSS | Firebase | Firestore | REST

I independently developed Ticker Tracker, a full-stack **investment portfolio tracking platform** that has over **600 users**. It is a place where investors can aggregate all of their investments into one location. It has several functions, including adding, editing and deleting users' assets. It also has an auto-suggest search bar containing thousands of different stocks, cryptocurrencies and ETFs. Additionally, it tracks users' net worth daily to visualise how their portfolio performs over the long term. Click the title to see it live.

Financial Freedom - React | Typescript | CSS | Python | Django | SQLite | REST | React Native

Financial Freedom is a full-stack **budgeting application** that manages users transactions. Users can add and delete transactions as well as see pie charts showcasing their spending habits. I also built a mobile version using React Native. Click the title to see it live.

Education

- Graduated with **Bachelor of Science** Majoring in **Computer Science** at **Victoria University of Wellington** (2021)
    - **A+** in SWEN301 - **Structured Methods,** working with web development technologies in Java.
    - **A+** in COMP309 - **Intro to Artificial Intelligence,** developing AI/ML algorithms in Python.
    - **Tutor** for SWEN301 and **Class Representative** for SWEN431