Josh Richards - Software Engineer

hello@josh.work | josh.work | github.com/joshuarichards001 | linkedin.com/in/joshua-stewart-richards | Wellington, New Zealand

Skills

- **Languages =** JavaScript, Typescript, C#, Python, Java, HTML, CSS, PostgreSQL, SQL Server
- **Frameworks =** React, Next.js, Astro, Tailwind, SCSS, .NET, Express.js, Django, React Native, Node.js
- **Technologies/Concepts =** AWS, Git, Agile, REST, Redux, CI/CD, TeamCity, GitHub, Docker, Firebase

Work Experience

Xero - Software Engineer - 2020/Present

[React | TypeScript | C# | ASP.NET | SQL Server | AWS | Agile | Git | CI/CD] I am currently part of the development team working on 'New Invoicing'**.** Our goal is to migrate users from Xero's classic invoicing platform to a more modern, responsive, internationalised user experience. Working on New Invoicing allows me to develop technical skills through delivering a scalable application to hundreds of thousands of daily users.

Hedges - Co-Founder - 2021/2022

[React Native | TypesScript | Node.js | Express | PostgreSQL | Heroku | Finance APIs] Hedges is a portfolio management application built out of the popularity of my personal project Ticker Tracker (detailed below). After teaming up with a co-founder, we designed and built a cross-platform portfolio-tracking mobile app. Hedges is a place where users can keep track of all their assets, including Stocks, Funds, Crypto, Property, etc. Although life events on both of our parts prevented us from releasing the project, working on Hedges was a valuable learning experience that honed my technical and interpersonal skills, and allowed me to develop my entrepreneurial spirit.

CR Automation - Software Engineer Intern - 2019/2020

[C# | .NET | SQL Server] I was tasked with building 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.

Personal Projects

Piano Theory - React | Typescript | Tailwind (2024)

Piano Theory is a frontend web app with over 500 unique visitors. It's a place where users can learn how to play various chords and scales using a virtual piano. It is built using React, Typescript, Tailwind, and Redux Toolkit.

Album Listen List - React | Typescript | Tailwind | Firebase | Spotify | Vercel (2023)

Album Listen List is a full-stack web application that has over 450 signups and 4,500 page views. It is a place where users can aggregate all of the albums they plan to listen to, rate their favourites, and share their list with friends. It is built using React, Typescript, and Tailwind for the frontend, and Firebase to host the backend/database.

Ticker Tracker - React | Typescript | SCSS | Firebase | Yahoo Finance | Netlify (2021)

Ticker Tracker is a full-stack portfolio tracking application that has over 650 signups and 10,000 sessions. It is a place where users can aggregate all of their investments into one location. It is built using React, Redux, Typescript, and SCSS for the frontend, Yahoo Finance for the financial data, Fixer for the foreign currency rates, and Firebase to host the backend/database.

Education

Graduated with a **Bachelor of Science** Majoring in **Computer Science** at Victoria University of Wellington (2021)