

## Summary

Full-stack engineer with 4+ years of experience developing end-to-end solutions with React, React Native and .NET Framework. Familiar with cloud platforms primarily Microsoft Azure and other technologies: Docker, Git.

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## Experience

### **Streamwise D.I., Melbourne, AU, Technical Engineering Manager**

**Dec 2022 - FEB 2024**

- Led the implementation of a customer support system linked to ClickUp (project management platform) . Issues were resolved more quickly as a result.
- Rewrote 2 pages and 15+ components to use TypeScript in order reduce frequent bugs that occurred with those functionalities. Which prompted the software team to switch to TypeScript for future developments.
- Re-released an improved version of the mobile app (coded in React Native), adding 5+ screens of important features requested by clients. I am thus familiar with the publication process to both Google Play and Apple app stores.
- Streamlined Azure cloud devOps that automated the deployment of many cloud resources and over the air hardware updates using Docker. This freed up developer time and smoothed customer onboarding.

### **Streamwise D.I., Melbourne, AU, Systems Engineer**

**Dec 2019 - Dec 2022**

- Redesigned and implemented the backend software architecture that controls all hardware equipment on site with .NET (C#). The new design supports 4 of the most common hardware communication protocols making customer acquisition cheaper.
- Developed 25% of the web portal used to manage all site operations with ReactJS. Utilised both Restful APIs and web hooks for data fetching. Experienced with Bootstrap and Redux.
- Setup a fully automated report generation system for data visualisation using Django template framework. The clients can select from a variety of the charts and the data to be displayed. This helped with reporting and efficiency analysis.

### **Freelance Project, Remote, Software Developer**

**2020**

Built a custom cosmetic formulation app in macOS using Python that analyses customer data to select ingredients and their ratios for product manufacturing.

Implemented Knuth's Algorithm X (recursive, depth-first search with backtracking) to solve for this constraint satisfaction problem.

Built UI using PyQt library, with system theme detection (ie dark vs light mode) and loading bars in an asynchronous environment.

Provided post launch support for the app to work with new Mac M1 ARM chips.

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## Personal Projects

### **React Native travel connection app**

- Built an app where people can log their travel itinerary to be matched with other people with similar itineraries. Coded with React Native with the Expo framework.
- Used Google Maps API and Cloud Firestore NoSQL database to record user and itinerary information.
- Worked and understood React concepts including hooks, screen routing, Redux and Context

## Education

### **University of Melbourne – Bachelor of Science 2019**

Major: Mechatronics Systems GPA 77.4%

### **University of Melbourne – Diploma in Informatics 2019**

GPA 75.1%

## Coding Skills

**Frontend:** React, HTML/CSS, TypeScript, JavaScript, React Native

**Backend:** C#, .NET, Django