

PROFILE

- Full-stack Graduate Engineer at Step-In-CTO for 1.5 years
- Bachelor of Computer Science - Graduated student at UNSW with a Distinction average
- Master of Data Science - Current student at USYD

TECHNICAL SKILLS

- **Programming/scripting languages** - JavaScript, **Typescript**, HTML, CSS, Python, Java, C, C#, C++, R
- **Web development** - React, **React Native**, Expo, **Tailwind**, Animation, **Jotai**, **TanStack**, SpringBoot, NodeJS, Restful APIs
- **Cloud Computing** - **AWS Services**, AWS Sam, Terraform
- **Databases** - **PostgreSQL**, RDS, DynamoDB, Redis
- **CI/CD Tools** - Gitlab CI, **Git(Lazy Git)**, Docker
- **Web testing** - Postman, **Jest**, Junit, PyUnit
- **SDLC** - Agile(Scrum, Kanban)
- **Data visualisation** - Tableau, Gephi
- **Deep theory understanding in** - **Machine learning**, Algorithm, Data Structure, DBMS Implementation, Operating System, Computer Network, Computer Graphic, Object Oriented Programming(OOP)

EDUCATION

University Of New South Wales

Bachelor of Computer Science

2019.09-2022.09

- Minor in Math
- Graduated with Distinction

University Of Sydney

Master of Data Science

2023.02-2024.06

- Specialized in cloud computing and machine learning

RELEVANT PROJECTS

Vera

- *Click to view the website* and *Click to download the app*
- Implemented a monorepo structure, enabling streamlined cross-platform deployment for iOS, Android, and web applications from a single codebase, reducing redundancy and optimizing resource utilization
- Integrated Jotai to enhance state management, leading to more efficient and maintainable code. Improved codebase readability and developer productivity by simplifying state handling
- Implemented TanStack for API Endpoint Caching, Accelerating Response Times by 30% and Enhancing State Management. Enhanced application performance and user experience, while also improving state management
- Utilized EAS (Expo Application Services) for building and releasing the app on both Google Play Console and Apple Store Connect, streamlining the deployment process and ensuring a consistent user experience across platforms
- Utilized AWS SAM for AWS Cloud Infrastructure Development, enhancing scalability and cost-efficiency, while leveraging Docker and Jest for Local Lambda Function Testing, accelerating development cycles and ensuring robust, error-free serverless applications
- Employed AWS DynamoDB, Lambda, and API Gateway to develop robust RESTful APIs, optimizing data management, scalability, and performance, thereby delivering cost-effective and efficient solutions to meet business needs
- Utilized RDS with PostgreSQL and pgAdmin for efficient and secure database management, ensuring data integrity, accessibility, and streamlined administration

- Implemented a CI/CD pipeline through GitLab CI. Established a streamlined development workflow, enabling automated testing and deployment for efficient project development and maintenance
- Configured and implemented a file-based router, optimizing routing mechanisms and improving overall application performance. Successfully managed and directed data flow through the system, enhancing the efficiency of data processing and communication.

Beetle Drone

- Leveraged Tailwind CSS to establish a cohesive design language, leading to code that is both more readable and maintainable. Ensured a consistent and visually appealing user interface across the project
- Orchestrated robust authentication using AWS Cognito, seamlessly integrating third-party login providers. Enabled users to sign in securely through multiple platforms, enhancing the project's accessibility and user experience
- Crafted an immersive and user-centric experience by incorporating interactive animations. Elevated overall usability and user satisfaction, making interactions with the project more enjoyable and intuitive
- Implemented absolute paths within the project's codebase, enhancing code readability and maintainability. Simplified navigation and module imports, leading to more efficient development workflows
- Ensured code quality and consistency by integrating ESLint and Prettier for code formatting and style enforcement. Resulted in code that is not only more readable but also adheres to established coding standards
- Successfully ejected from Expo to React Native, gaining greater control over the project's dependencies and build processes. Facilitated customization and optimization specific to the project's requirements
- Introduced and incorporated SVG (Scalable Vector Graphics) for versatile and resolution-independent visual elements, enhancing the project's visual appeal and adaptability
- Implemented engaging and responsive frontend animations to enhance user experience. Crafted visually appealing and interactive elements, contributing to a dynamic and user-friendly interface.

EXPERIENCES

Step-In-CTO

Sydney, Australia

Full-Stack Intern

Graduate Full-Stack Engineer

- Spearheaded development efforts within an 8-member team, responsible for the creation and maintenance of multiple applications utilizing React Native and Node.js, ensuring efficient and scalable solutions
- Collaborated closely with the product team and UX designers to comprehensively analyze project requirements and API dependencies, facilitating seamless project development and alignment with user-centric design principles
- Exhibited advanced proficiency in Amazon Web Services (AWS), actively contributing to the team's capability to design, deploy, and optimize cloud-based solutions, resulting in cost-effective and highly available applications
- Diagnosed and resolved critical report functionality issues by applying rigorous troubleshooting techniques, ensuring the smooth functioning of key project components and delivering high-quality user experiences

David Jones

Sydney, Australia

Logistic

- Managed flow of stock from receiving dock to selling floor. Completed required merchandise intake processes efficiently
- Processed store or online customer deliveries, pick-ups, transfers and work orders in a timely manner and in accordance with standards. Obtained good relationships with other employees and customers

EXTRA-CURRICULARS

UNSW Hackathon

Sydney, Australia

- *Click to view Github link*
- Developed modal for a online chat room. Collaborated with 3-member Product team for developing a web application named "Mood House" in a 24 hour hackathon by a team of 3