

Andrew Anggara

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Education

University of Sydney

Dalyell Scholar | BSc. in Computer Science and Statistics (WAM: 82.25)

Mar 2025

Sydney, NSW

- > Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Agile Development, Introduction to AI

AWS Cloud Practioner Certification

July 2023

Scored 800 out of 1000

- > Successfully achieved AWS Certified Cloud Practitioner certification, validating comprehensive understanding of AWS Cloud concepts, services, and best practices
- > Acquired essential knowledge of AWS global infrastructure, security practices, and compliance frameworks.

Experience

InterSystems

December 2023 - February 2024

AI Software Engineer

- > Used **Agile methodologies** and led the development of AI-driven prototypes that led to an increase in data processing efficiency with **large language models** and **prompt-engineering**
- > Engineered a full-stack application using **React** and **Flask** with a user-friendly interface for clinicians
- > Collaborated closely with a cross-functional team of developers, data scientists, and healthcare professionals to align project objectives with industry needs.
- > Automated medical documentation processes using **NLP and RAG workflows** reducing manual entry errors and saving clinicians time

Projects

BudgetSmart

- > Designed and developed a budgeting application for students to track their spending and create a budget plan using **React Typescript** for the front-end and **Django Python** for the back-end.
- > Utilized REST APIs to facilitate communication between the front-end and back-end.
- > Implemented CRUD functionality to allow users to create, read, update, and delete budget categories and transactions which updates a **PostgreSQL** database.
- > Applied responsive design techniques to optimize the application for various device sizes.

ShopCart

- > Developed a shopping cart web application using **React Typescript** that allows users to browse and purchase products.
- > Implemented various front-end functionalities including adding and removing items from the cart, displaying the total price, and applying discounts.
- > Utilized **CSS Bootstrap** to create a responsive and visually appealing layout.
- > Improved skills in functional programming and type-safe development through the use of **React Hooks** and Typescript interfaces.

Skills

Languages Expert: Python, Java, R | **Fluent:** C, C++, Javascript, Typescript, HTML, CSS

Technologies React, Flask, Django, Git, Linux/WSL, VueJS, NodeJS

Tools Docker, Postman, GitHub, Jenkins