

(Sam) Kin Lok CHAN

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SUMMARY

A dedicated Full Stack Software Engineer with a Master of Information Technology from **RMIT University** with hands-on Software Engineering experience. Seeking a **Full Stack Software Engineer role** to leverage expertise in **building scalable REST APIs** and **creating positive user experiences**.

EXPERIENCE

Full Stack Developer Intern | RDA Group | Jan 2025 - Present | Melbourne, Australia

- Developed a dynamic task marketplace app with team, turning wireframes into a responsive, user-friendly frontend.
- Leading frontend development while preparing for full-stack responsibilities, including backend integration.
- Integrated backend APIs and database logic (Node.js/Express, PostgreSQL), improving data fetching efficiency by **50%**.
- Optimizing platform performance, scalability, and code quality through best practices in software engineering.

Full-Stack Software Engineer Intern | CSIRO | July 2024 - November 2024 | Melbourne, Australia

- Collaborated with a team of 5 full stack developers to design, develop & implement a genomic data management portal using React, TypeScript, and Material UI for the front-end.
- Leveraged advanced Terraform features to optimise AWS services development, **achieving up to 50% cost savings**.
- Designed and implemented REST APIs, significantly boosting system performance, **reducing response times from multiple days to a few minutes**.
- Designed & implemented a nested data structure for the DUO ontology to support an accordion-style display on the front end, adding advanced filtering, searching and sorting functionalities, **improving search efficiency by 70%**.
- Enhanced collaboration with industry partners to streamline workflows and drive efficiency.

EDUCATION

Master of Information Technology | RMIT University | 3.8 GPA / 85 WAM

Feb 2023 - Dec 2024

- **Modules:** Information Technology, Cloud Computing, Software Engineering, Full Stack Development, Agile Methodologies, Mobile Application (iPhone)
- High Distinction Graduate, Participated in Peer mentoring program, Industry Experience Program

PROJECTS

- [iOS Application Development](#) | Welli - Senior Daily Assistant Application
UIKit, TranslationKit and REST APIs to retrieve data and send SMS notifications.
- [E-commerce Full Stack Development](#) | SOIL - A E-supermarket website | React, NodeJS, JavaScript, Express, GraphQL, MySQL, Apollo, Jest
- [Student group portal - Frontend](#) | Study group portal | React, Javascript, TailwindCSS, Axios, React Router
- [Student group portal - Backend](#) | Study group portal | Java, Springboot, Gradle, FlywayDB, Lombok, Supabase

SKILLS & CERTIFICATES

Languages: Python, Java, Swift, SQL, HTML, CSS, Javascript, Typescript

Frameworks: React.js, Express.js, Tailwind CSS, Material UI

Certifications: Microsoft: Azure AI Fundamentals, Azure Fundamentals

Skills: REST APIs, GraphQL, Agile Methodologies, AWS, GCP, MySQL, Git, Unit Testing, Node.js

Tools: VSCode, Github, Terraform, Docker, Miro, Trello, Figma, Photoshop, MongoDB

Interpersonal Skills: Problem-Solving, Teamwork, Critical Thinking, Proactiveness, Communication, Influence to Change.