

Ray(Zhan Rui)Yap

Full Stack Dev | rayyap.dev@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

The University of Melbourne

Feb. 2023 – July 2024

Master of Information Technology - Major in Cybersecurity

Melbourne, VIC

- Grade: Distinction - Awarded Melbourne Global Graduate Scholarship (2023)

Monash University

Feb. 2020 – Nov 2022

Bachelor of Computer Science - Major in Advanced Data Structures & Algorithms

Melbourne, VIC

- Grade: Distinction - Awarded International Study Grant (Admitted with ATAR 93.5)

EXPERIENCE

Software Developer Internship

Feb 2024 – June 2024

InflaMed

Melbourne, VIC

- Designed full-stack web applications using TypeScript, React, Next.js with RESTful API integration.
- Automated Infrastructure as Code (IAC) using Terraform and deployed to Google Cloud Platform.
- Collaborated effectively in a cross-disciplinary team following Agile teamwork principles.

Sales Assistant

Sep. 2024 – Present

Coles Liquorland

Melbourne, VIC

- Provided exceptional customer service, assisting with product selection and answering queries to ensure a positive shopping experience.
- Adhered to safety regulations and Responsible Service of Alcohol guidelines, ensuring compliance with company policies and legal requirements.
- Contributed to increased sales through up-selling menu items and promoting special offers.

Front of House Staff

Mar 2023 – Feb 2024

Rhumbas Crown Casino

Melbourne, VIC

- Enhanced customer satisfaction by providing efficient and friendly service in a fast-paced environment.
- Ensured clean and welcoming atmosphere for guests by regularly sanitising surfaces and equipment.
- Maintained high food quality standards by following proper food handling and storage procedures.

PROJECTS

E-Commerce Coffee Website | *Next.js, Tailwind CSS, PostgreSQL, Amazon RDS, Node.js*



- Developed a scalable, high-performance full stack e-Commerce platform using Next.js, React, and Tailwind CSS.
- Built a back end API with Node.js, and PostgreSQL on Amazon RDS, optimising query performance.
- Engineered a feature-rich shopping cart system, including product CRUD operations, persistent cart storage, and multi-item support.

Personal Portfolio Website V2 | *Next.js, Typescript, Tailwind CSS*



- Engineered a dynamic and responsive user interface with Next.js and Tailwind CSS, ensuring seamless performance across various devices and screen sizes.
- Implemented interactive type animations and custom effects, providing a unique and personalised user experience.
- Deployed on Vercel, ensuring efficient build processes and continuous deployment for rapid updates.

DevOps Deployment Application | *GitHub Actions, CI/CD, Docker, Vitest/Jest*



- Integrated a CI/CD pipeline using GitHub Actions, automating build, test, and deployment workflows.
- Established a continuous integration process, where each push triggers a workflow to build, test, and push Docker images to GitHub Container Registry.
- Implemented automated testing with Vitest + React Testing Library for the front end and Jest for the back end, ensuring software quality with every commit.

TECHNICAL SKILLS

Soft Skills: Communication, Collaboration, Problem-solving, Critical Thinking, Leadership, Attention to detail

Programming: Python, Java, C#, C++, SQL, React, JavaScript, .NET, Node.js

Developer Tools: Terraform, Docker, AWS/Azure, CI/CD, RESTful API, Automated Testing

Certifications: AWS Certified Cloud Practitioner

Languages: English(PTE 90/90), Mandarin, Cantonese, Malay