Ray (Zhan Rui) Yap

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Education

Master of Information Technology   University of Melbourne (02.2023 – 07.2024)
Grade: **Distinction**
Award: Melbourne Global Graduate Scholarship (2023)

Bachelor of Computer Science   Monash University (02.2020 – 11.2022)
Grade: **Distinction**
Award: International Study Grant (Admitted with ATAR 93.5)

Work Experience

Software Developer Internship   InflaMed, Melbourne   02.2024 – 06.2024
• 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   Coles Liquorland, Melbourne   09.2024 – Present
• 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 upselling menu items and promoting special offers.

Front of House Staff   Rhumbas Crown, Melbourne   03.2023 – 02.2024
• 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.

Volunteer for Orientation Activities   University of Melbourne   02.2023
• Assisted in organising and executing orientation events for new students, ensuring a smooth transition into university life.
• Facilitated ice-breaking activities and group sessions to help new students build connections.

Skills

Soft Skills:	Communication, Teamwork, Problem-solving, Time Management, Critical Thinking, Leadership, Attention to detail
Programming:	Python, React, C#, JavaScript/TypeScript, Java, Node.js, SQL, .NET
Tools:	Docker, Terraform, Git, GCP/AWS, CI/CD, RESTful API, Automated testing
Certifications:	AWS Certified Cloud Practitioner
Languages:	English (PTE 90/90), Mandarin, Cantonese, Malay

Project Experience

E-Commerce Coffee Bean Website

Description: Full-stack e-commerce platform featuring user authentication, carts and order processing with user reviews.

• Developed a responsive and dynamic UI using Next.js 14 and Tailwind CSS, ensuring seamless shopping experience across devices.
• Built a backend API with Node.js, Express.js, and PostgreSQL on Amazon RDS, optimizing query performance for product retrieval and transactions.
• Engineered a feature-rich shopping cart system, including product CRUD operations, category filtering, persistent cart storage, and multi-item support.

DevOps Deployment - Hello World Application

Description: A minimal full-stack application emphasising DevOps practices, including containerisation, automated testing, and continuous deployment using GitHub Actions and Docker.

• Designed and 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 frontend and Jest for the backend, ensuring software quality with every commit.

Personal Portfolio Website V2

Description: Developed a modern, responsive personal portfolio website utilizing Next.js 14, TypeScript, and Tailwind CSS, featuring smooth animations, dark mode, and interactive cursor effects.

• Engineered a dynamic and responsive user interface with Next.js 14 and Tailwind CSS, ensuring seamless performance across various devices and screen sizes.
• Implemented interactive type animations and custom cursor effects, providing a unique and personalized user experience
• Optimized for SEO, improving search engine visibility and accessibility.
• Deployed the application on Vercel, ensuring efficient build processes and continuous deployment for rapid updates.

References

Mari Robert
Founder & CEO of Inflamed
LinkedIn: https://www.linkedin.com/in/marirobert/
Recommendation Letter Available

Jefry Lo
Manager of Rhumbas Crown Casino
Phone number available on request