

Ryan Wang

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PROFESSIONAL & TECHNICAL SKILLS

Programming Languages: **JavaScript/TypeScript • React • C# • Python • Java**

Web Development: **ASP.NET Core • Redux • CSS3/HTML • SASS**

Mobile App Development: **Flutter**

Database Management: **MongoDB • SQL**

Tools and Platforms: **Git • Microsoft Azure • AWS Development Platform • Jira**

Methodologies and Architecture: **Microservices Architecture • CI/CD**

EMPLOYMENT HISTORY

SOFTWARE ENGINEER

RECAM Pty Ltd, Sydney | Sep 2023 – Apr 2024 (Full-Time)

- Collaborate with team members to design and develop innovative features for cross-platform applications using Flutter, ensuring seamless functionality and user experience.
- Implement and maintain robust RESTful APIs integrated with various services, facilitating smooth data flow and communication within microservice backend systems.
- Utilise C# to develop console applications for effective business marketing strategies, enhancing client engagement and brand visibility.
- Work closely with senior engineers to design and implement efficient data structures, optimising performance and scalability of backend systems.
- Take ownership of the deployment process, ensuring successful deployment of applications to both Apple App Store and Google Play Store, adhering to industry standards and guidelines.

Key Projects:

Project: Recam (Cross-Platform Application) – Flutter:

- Optimised picture taking and processing time from 6 to 2 seconds, increasing customer satisfaction by 11%.
- Implemented asynchronous chained image upload with automatic re-upload detection while interrupted.
- Developed an Apple native-like camera preview feature to enhance user experience.
- Created functionality for taking different exposure photos to fulfill business requirements.
- Responsible for releasing new version of application on the Apple App Store and Google Play Store.

Project: MTH (Media Transfer Hub web application) – TypeScript, Redux, React, HTML5, SASS:

- Established production, testing and development environments for efficient workflow management.
- Built paginated data request to reduce fetching data waiting time from 8 to 0.5 seconds in same network condition.
- Developed reusable components using TypeScript and integrated it with Storybook for streamlined development.

Project: Microservice Backend System – C#, ASP.NET Core, Microsoft Azure:

- Built robust RESTful APIs integrated with a queuing system for seamless asynchronous file uploads through Azure Service bus and SignalR.
- Created a Console app for business marketing and implemented a scheduled checking mechanism for file upload status monitoring.
- Developed email delivery services for admin notifications on new orders or cases, ensuring timely communication with customers.
- Designed and implemented console applications for automated marketing promo email delivery.
- Built Azure Scheduled Function Apps to monitor and ensure upload status accuracy.

SOFTWARE ENGINEER

Green Innovation Systems Pty Ltd, Sydney | May 2023 – Sep 2023 (Internship)

- Developed a cross-platform mobile application using Flutter, ensuring seamless functionality across various operating systems.
- Utilised MongoDB for efficient data management and integration within the application's backend system.
- Led the development of frontend UI components, focusing on user experience optimisation and intuitive design.
- Successfully troubleshooted page issues and optimised layout, enhancing the overall performance and usability of the application.
- Implemented a notification function on the Azure platform using C#, enhancing user engagement and interaction within the application.

Key Projects:

Project: Bado (Cross-Platform Application) – Flutter, MongoDB, C#:

- Optimised data fetching logic, resulting in a 20% reduction in database read and write times.
- Developed the chat system and moment functions to improve user experience.
- Enhanced user experience by troubleshooting page issues, optimising layout
- implemented notification functions using C# on Azure platform.

EDUCATION & QUALIFICATIONS

Master of Information Technology | University of New South Wales | Jun 2023

Completed a project deployed on Amazon Cloud Service, similar to the "Monday" task management system.

PERSONAL ATTRIBUTES

- Authentic team player qualities with strong sense of initiative, flexibility and accountability.
- Exemplary work ethics, high degree of diplomacy, integrity and professionalism.
- Excellent organisational and time management skills with the ability to keep within timescales and budgets.
- Superior problem solving and decision-making abilities; self-motivated, consistent, resilient and dedicated.
- Communicator, innovator and motivator with the ability to collaborate with internal and external stakeholders.
- Highly analytical and detail orientated with continuous improvement mindset.
- Ability to flourish with minimal guidance in a fast-paced environment, be proactive and handle uncertainty.

REFERENCES

Up on request