

# Hanyun Zhang

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## PROFILE

I recently graduated with a Master's degree in Software Engineering from the University of Melbourne, bringing with me a solid history of professional roles that required initiative, mediation, time management, and teamwork. Familiar with various stages of software development, from writing project requirements to product implementation. Proficient in many mainstream coding languages and tools like Javascript, Flutter, AWS and so on. Thriving at solving difficult problems independently, and good at collaborating efficiently within a team.

## SKILLS

### Coding languages:

- Proficient in JavaScript, Java, Dart, and Python.
- Able to code in C#, HTML, and CSS.

### Tools and Technologies:

- React, Next.js, Flutter, Node.js, ASP.NET Core, AWS services
- MongoDB, MySQL, PostgreSQL
- Git, GitHub, BitBuket, Jira, Wrike, Trello, Figma

### Languages:

- Speaks in English and Mandarin.

## EDUCATION

### The University of Melbourne - Master of Engineering (Software)

2022 - 2024

Conducted in full software development life cycle (SDLC) from requirements engineering through to delivery, developing software solutions for real industry clients in multiple subjects.

### The University of Melbourne - Bachelor of Science (Computing and Software Systems)

2019 - 2022

Engaged in multiple team-based subjects in algorithm & data structure, game making, website development, requirement analysis and database management based on JavaScript, Java, C, MySQL, and Python.

## EXPERIENCE

### Cloud Mobile App Intern (Front-end developer)

Dec 2023 - Mar 2024

Tekt Industries, Melbourne

- Worked onsite as a mobile app **front-end** developer, focusing on the development of a supplementary app (Evolve MVMT) for a medical health monitor device, utilising the cross-platform toolkit **Flutter**.
- Led the implementation of multiple core features aligned with **Figma** designs, including login, partial setting, change password flow, and patient communication page, ensuring high-quality and timely deliverables.
- Specialized in user interface development and cloud integration, fixed 30+ bugs throughout the project.
- Adhering closely to **Agile** methodologies with a cross-functional team, precisely tracking tasks through **Wrike**, including updating statuses, writing descriptions and estimating time.
- Actively participated in project meetings, contributing innovative ideas for efficient task management.
- Maintained, tested and resolved 10+ bugs on the front end of the 'Rapid Quote System' website for its beta version, utilizing **Next.js(React)**.

## PROJECTS

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### Atomos UI/UX Enhancement Project (Sub-team leader/Full-stack developer)

Feb 2023 - Nov 2023

- Partnered with the client company Atomos, with an **Agile** team of 10, to replicate a cross-platform UI for Atomos monitors using **Flutter**, reducing the time and cost of UI implementing lifecycle.
- Achieved real-time response by using Websocket to communicate between the backend and Flutter application, enhancing precision for filmmakers.
- Ensured the responsiveness across widgets to support universal compatibility across monitor screen dimensions, built highly reused components and documented a playbook for future implementation.
- Developed a dynamic website UI simulator, accelerating the design iteration process by allowing real-time feedback and reducing design ambiguities. Also served as a visualisation tool to streamline the UX/UI implementation process for stakeholders.

### Creative Innovation Engineer Project

Mar 2023 - Jun 2023

- Collaborated in a team of 5 under KPMG's sponsor to develop an innovative proposal to enhance facilities management, improving facility safety, usability, and overall working experiences of facility managers.
- Led and organised over 10 interviews with facility managers, extracting invaluable insights to inform an AI-based task priority management solution.
- Validated ideas with project sponsors and facility managers, wrote a professional report to showcase the proposal and delivered a presentation to stakeholders.

### Application Management Portal Project (Scrum master/Front-end developer)

Jul 2022 - Nov 2022

- Collaborated with a team of five in delivering *CCFR Researcher Collaboration Portal*, a **CRM** (Customer Relationship Management) web application streamlining the researcher management processes, by applying **MERN(MongoDB, Express, React, Node.js)** stack framework and coded under **Javascript** language, adhering to an MVC structure.
- Applied the **Agile** principle. Organised daily standup meetings, sprint planning, and retrospectives for every sprint, ensuring efficient teamwork.
- Drove implementation of website's structure, designed and crafted portal's home and review page aligning with project requirements, including a navigation sidebar, page layout, and information display.

### Diabetes Remote Monitoring Website (Full-Stack developer)

Mar 2022 - Jun 2022

- Developed a multi-tenant website application enabling clinicians to monitor patients' daily health data remotely. Implemented under an **Agile/Scrum** environment with a team of 4, utilising **MongoDB, Handlebars, Express, and Node.js**. And deployed on **Heroku**.
- Writing CURD APIs. Built database. Designed and crafted webpages (within an MVC structure) for data-filling and display purposes.

## Certification

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- AWS Certified **Solutions Architect** – Associate
- Melbourne Plus: Sustainability Advocacy Hackathon

## References

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- **Oliver Robson** (Head engineer of Tekt Industries)
- **Haoyuan Tang** (Senior engineer of Tekt Industries)

Contact details are available upon request.