





# Yuxin (Michelle) Ren

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 Sydney, Australia

Results-oriented and proactive Software Engineer, with hands-on experience specializing in full-stack software development. Proficient in **Python, Java, Javascript, Typescript, Swift** and **RESTful APIs**, with extensive experience in **CI/CD, DevOps** and **Cloud Technology (AWS)**. Demonstrated expertise in working within an **Agile** development environment, focusing on delivering practical, **production-ready** projects on time.

## EDUCATION

**THE UNIVERSITY OF MELBOURNE**  
Master of Software Engineering  
Feb 2023 - Dec 2025

**XI'AN JIAOTONG UNIVERSITY**  
Bachelor of Engineering  
Management  
Sep 2018 - Jul 2022

## SKILLS

**PROGRAMMING LANGUAGE:**  
Python, Java, JavaScript,  
TypeScript, Swift, CSS, HTML, SQL

**FRONTEND:**  
React, Tailwind CSS, JSP

**BACKEND & FRAMEWORKS:**  
Django, Spring Boot, RESTful API

**DATABASE & CACHE:**  
MySQL, PostgreSQL, MongoDB,  
Redis

**CLOUD & DEVOPS:**  
AWS, Docker, Maven, Git, Nacos

**TOOLS & SERVICES:**  
Stripe, Auth0, Swagger,  
Springfox, JMeter, Figma

## WORK EXPERIENCE

**Senstride - Software Engineer** **Melbourne, Australia** **Jul 2025 - Now**

Designed and developed a cross-platform gait assessment system, including an iOS mobile app and a clinician-facing web dashboard, to support elderly fall prevention.

- Built the iOS app using Swift and MVVM architecture, and created 10+ responsive views with iterative UI/UX design in Figma.
- Developed a web dashboard for clinicians to manage patients, assessments, and gait metrics.
- Integrated AWS (RDS) to ensure secure, scalable data storage compliant with medical workflows.
- Collaborate with stakeholders across teams to deliver production-ready features and improve user experience.

**Rhombus AI - Full-Stack Developer** **Sydney, Australia** **Feb 2025 - May 2025**

Contributed to the development of an AI-powered web application, delivering production-ready features across frontend and backend in an Agile environment.

- Enhanced the React frontend and Django backend, delivering 15+ new features and resolving 30+ bugs.
- Implemented async tasks and API integrations to improve responsiveness and support AI processing workflows.
- Integrated Stripe and Auth0 for secure payments and authentication.
- Maintained clear documentation and contributed 5-10 commits weekly to ensure continuous delivery.

**Hua's Pharmaceuticals - Backend Developer** **China** **May 2024 - Aug 2024**

Worked on backend development and system reliability for an internal IoT system supporting pharmaceutical operations.

- Implemented user management features and backend logic using Java, SpringMVC, and Redis.
- Ensured service registration and configuration resilience.
- Integrated Skywalking for real-time performance monitoring and anomaly detection.
- Updated system documentation to improve operational efficiency and support team collaboration.

## PROJECT EXPERIENCE

**OrderDash - Food Ordering & Delivery Platform - Team Leader** **Oct 2024 - Dec 2024**

Designed and developed an online food ordering & delivery platform with separate Manager and User interfaces.

- Built RESTful APIs and designed the database schema, with dynamic API documentation for maintainability.
- Implemented authentication with JWT and secured data storage with AWS, improving overall platform reliability.
- Optimized database interactions using MyBatis and Redis, reducing query times significantly.
- Enhanced system security through Nginx reverse proxy and MD5-based password encryption.

## VOLUNTEERING & EXTRA-CURRICULAR ACTIVITY

**IEEE WIE AG University of Melbourne Student Branch - Vice-Chair** **Melbourne, Australia** **May 2024 - May 2025**

- Organized 11 workshops and events promoting diversity in engineering and sustainable development, in collaboration with Engineers Australia, NAB, CSL, Telstra, and Canva.
- Recognized with the "Outstanding Event/Initiative Award 2024", and contributed to the branch winning the "Outstanding Student Branch WIE AG Award 2024" by IEEE Victoria.