


Yuxin (Michelle) Ren

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 Melbourne, 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.
- Resolved 3-5 tickets weekly, maintaining continuous delivery and rapid iteration.

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, ensuring robust service registration and dynamic configuration management.
- Built asynchronous task pipelines using Celery, enabling reliable background processing and improving system throughput by around 25%.
- Updated system documentation on time to support knowledge transfer and improve team operational efficiency.

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.