Hailin (Jesse) Yang

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SUMMARY

Master of Information Technology graduate with 2+ years of experience in full-stack development and team leadership. Proven ability to build and maintain scalable backend systems and data pipelines. Experienced in agile team collaboration as a Scrum Master. Passionate about automation, data-driven systems, and delivering user-centric digital solutions. Actively seeking opportunities to apply software engineering skills in impactful projects.

TECHNICAL SKILLS

- Languages: **Python, Java, C, SQL, JavaScript**
- Back End: Node.js, Django, **Flask**, **RESTful APIs**
- Front End: **React**, HTML5, CSS3, JQuery
- Tools & DevOps: Git, Docker
- Cloud & Data: **Hadoop**, Power BI
- Others: Agile / Scrum, **Jira**, CI/CD

EDUCATION

Master of Information Technology   Sep 2023 – Jan 2025
University of New South Wales

Bachelor of Science (Computer Science)   Jul 2021 - Jun 2023
University of Western Australia

Bachelor of Engineering (Computer Science and Technology)   Sep 2019 - Jun 2023
Guangdong University of Technology

PROJECTS EXPERIENCE

ImmiFlow – Case & Task Management System (Part Time)   Jan 2025 - Present
Australia Grace Home Education & Immigration Pty. Ltd
- Designed and implemented a **Flask (Python) + SQLite** system to manage client cases and internal task workflows.
- Developed **case templates** for multiple visa and education service types, enabling automated task generation with estimated times.
- Implemented **role-based access control** (Admin, Employee) and intelligent task assignment to balance daily workloads (~450 minutes/day).
- Built **reporting features** using **Matplotlib** and CSV exports for monitoring employee workload and case progress.
- Delivered a minimal **HTML/JS front-end** to streamline case intake, task tracking, and employee dashboards.

Course Insights & Skills Alignment Platform   Sep 2024 - Nov 2024

University of New South Wales
https://github.com/JesseYeung/cisap-platform
- Led project as **Scrum Master** and **Backend Developer** for a platform designed to provide insights into course offerings and align with specific skill sets.
- Coordinated sprint planning and retrospectives in a **5-person Agile team**, retrospectives, and task breakdown.
- Developed backend features including **data scraping** from the UNSW Handbook and role-based access control.
- Communicated closely with frontend and backend team to ensure consistent integration and functionality across platform.

Leaf Disease Classification System   May 2024 - Aug 2024
University of New South Wales
https://github.com/JesseYeung/leaf-disease-classification
- Developed a **CNN-based model** to identify and classify various leaf diseases accurately.
- Optimised model to handle environmental variations, ensuring suitability for **real-time deployment** in agricultural settings.
- Implemented image preprocessing techniques and enhanced model for high accuracy and efficiency.

WORK EXPERIENCE

Shift Supervisor (Part Time)   Mar 2025 - Present
Starbucks Australia
- Mentoring new partners and maintaining a productive, positive team environment.
- Supporting sales growth through upselling and strong visual merchandising.
- Managing cash handling, inventory control, and online order fulfilment.
- Leading shift operations; ensuring smooth workflow, team coordination, and high service standards.

Web Developer   Jul 2020 - Jul 2021
Zhongqi Wangpan Technology Zhuhai Co., Ltd
- Updated and managed website content using **HTML/CSS/JavaScript**, improving load times and UX.
- Processed and formatted digital materials for web publishing, ensuring visual consistency and performance.
- Collaborated with team members to implement content changes based on stakeholder feedback.