

# Henry Pan Mun Li

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## PROFILE

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Results-driven Software Engineering Graduate with a passion for building scalable, data-driven solutions. Proficient in Java, Python, React.js, AWS, and API development, with hands-on experience in microservices, distributed systems, and cloud-native applications. Adept at solving complex problems, writing high-quality, reusable code, and working in collaborative Agile environments.

## EXPERIENCE

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**Software Engineer Intern** January 2024 – August 2024

*JRI-America (A Division of Sumitomo Mitsui Banking Corporation), Kerry, Ireland*

- Led 8 file transfer projects using IBM WebSphere MQ, Ant Script and Unix, ensuring seamless financial data transactions.
- Applied Agile methodologies (Kanban) to meet SDLC objectives, delivering projects on time and aligned with client needs.
- Resolved 2 critical production issues in under 48 hours, ensuring system uptime and service continuity.
- Conducted code reviews and unit testing (JUnit) to ensure high-quality, maintainable code.

## PROJECT EXPERIENCE

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**Real-Time Payment Fraud Detection Platform** September 2024 – Present

- Designed a microservices-based architecture for real-time fraud detection in financial transactions, employing Apache Kafka for messaging and Apache Flink for data analysis.
- Built a scalable, containerized system **using** Java (Spring Boot), Docker, and Kubernetes.
- Developed a data storage layer to address concept drift and enable efficient model retraining, ensuring adaptability to evolving fraud patterns.

**Smart Distributed System Incident Classifier** January 2025 – Present

- Developed AI-driven log classification using NLP techniques (BART), achieving 95% accuracy in processing over 10,000 logs.
- Trained and fine-tuned models on 2,000+ Hadoop MapReduce logs, reducing manual intervention.
- Implemented real-time solution suggestion features, reducing average incident resolution time.

**Keep Safe, Password Manager Website** September 2024 – December 2024

- Developed a secure password management platform using Flask, React, AWS DynamoDB, and bcrypt for encryption.
- Applied React design patterns like Custom Hooks and Context API to build modular, reusable front-end components.
- Utilized software design patterns such as Proxy, Decorator, and Strategy to enhance flexibility, scalability, and maintainability of the system.

**Connecting-Kerry, Volunteer App** May 2024 – August 2024

- Led a team of 5 in building a volunteer management platform using React, Node.js, PostgreSQL, increasing community engagement by 30%.
- Implemented CI/CD pipelines and secure Firebase authentication, reducing development time by 30%, showcasing expertise in process optimization and secure system design.

## EDUCATION

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**Munster Technological University**

May 2025

*Bachelor of Science (Hons) in Computing with Software Development*

Grade: 82.66 | on track for First Class Honours

Modules: Object-oriented programming (97%), Software Engineering Project (94%), Web Frameworks (93%), Advanced Database (88%), Data Structure and Algorithms (86%), Software Design Patterns (72%), Data Analytics (72%), DevOps, Software Quality Management, Artificial Intelligence, Cloud Computing

**Xi'an Jiaotong University**

April 2020 – August 2022

*Big Data Management and Application*

CGPA 3.65 (equivalent to 1:1)

Modules: Probability Theory (95%), Calculus I (86%), Data processing with Python (82%), Applied Statistics Analysis (70%), Microeconomics, Business Management I, C Programming Basics

**SKILLS**

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|---------------------|----------------------|-----------------------|
| • Java (SpringBoot) | • SDLC               | • Docker              |
| • Python (Flask)    | • REST APIs          | • CI/CD               |
| • React.js          | • PostgreSQL/MongoDB | • Apache Kafka        |
| • Node.js           | • Git                | • Microservices       |
| • C# .NET           | • AWS                | • Agile Methodologies |

**LEADERSHIP & INVOLVEMENT**

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- Represented the Malaysian Student Association of Ireland, supporting student welfare and organizing cultural events.
- Participated in the Famine 30 Volunteer Camp, fasting for 30 hours to raise awareness of global food insecurity. Engaged in workshops and discussions that promoted empathy, education, and action on hunger-related issues.

**REFERENCES AVAILABLE UPON REQUEST**