Bu Kai Yean
Software Developer Intern (April - August 2026)

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Summary

Software Engineering undergraduate specializing in Data Science, with hands-on experience in web and mobile development. Skilled in Java, Flutter, React, Node.js, AWS, and UI/UX design, with a focus on building user-centered applications and leading team projects from concept to deployment.

Technical Skills

- **Programming Languages**   : Java, JavaScript, Python, R, C++, Dart, Node.js, HTML & CSS, React
- **Development Tools & Frameworks** : VS Code, Android Studio, Flutter, React, R Studio, Apache NetBeans, Figma
- **Data Tools**   : MySQL Workbench, MongoDB, Tableau, Power BI
- **Cloud Platforms**   : AWS (S3, Lambda, SageMaker, Bedrock, EC2)

Languages

- **English** – Professional Working Proficiency
- **Mandarin** – Native / Full Professional Proficiency
- **Malay** – Conversational Proficiency (Speaking & Listening)

Education & Certifications

- **Bachelor of Software Engineering (Data Science) | Taylor's University** (Current CGPA: 3.50)
- **Certifications**: AWS Cloud Practitioner Essentials, AWS Machine Learning Foundation, AWS Machine Learning for Natural Language, AWS Generative AI Foundation

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Professional Experience

Perniagaan Battery Hong Yip – Administrator (January 2020 – June 2022)

- Maintained structured sales and inventory records and supported workflow efficiency through organized data handling and process coordination.

Projects

Smart Used Cooking Oil (UCO) Collection System | Capstone Project Module (Final Year Project)

- **Flutter, Android Studio, Dart, Node.js** – Developed a full stack mobile app for PETRONAS Dagangan Berhad (PDB) to optimize UCO collection via smart bin integration and reward-based participation. Built frontend and backend modules ensuring seamless functionality and data flow.

GenAI Kitchen Optimization and Stock Management Dashboard | Great Malaysia AI Hackathon 2025

- **AWS Lambda, S3, SageMaker, Python** – Led a 5-member team to develop a web-based dashboard for predictive inventory management. Built backend and frontend modules supporting real-time order prioritization, operational monitoring, and an AI-powered chatbot.

GenAI Startup Empowerment App | ImagineHack Hackathon 2024

- **Flutter, Android Studio, Node.js** – Led a 5-member team to design a mobile UI and implement backend APIs, ensuring smooth frontend-backend integration.

Java Game Development | Advanced Programming Module

- **Java, Swing, JavaFX** – Designed a story-driven maze game applying advanced OOP principles. Developed modules for authentication, character selection, story progression, scene navigation, encryption, serialized game state, and immersive audio integration.

Assistance Centre Dashboard for Typhoon Management | Object Oriented Programming Module

- **Java, JavaFX, Swing, Apache NetBeans** – Developed a web-based dashboard to enhance community resilience during typhoons. Built Search, Assistance Center, and Editor Board modules with secure access control, efficient data handling, and interactive interfaces.

Extracurricular
Star Ambassador | Taylor's University

- Delivered campus tours and event support, enhancing visitor engagement.
- Communicated effectively with prospective students and parents to provide clear guidance.