

Chay Kun Wai (Jacky)

Backend Lead Engineer | Technical Lead

Malaysia-based | Open to relocate to Singapore | Open to frequent worldwide travel

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[WhatsApp](#) | [jacky-chay.github.io](https://github.com/jacky-chay)



PROFESSIONAL SUMMARY

Backend Lead Engineer and hands-on Technical Lead with 6+ years delivering Java-based enterprise systems and warehouse automation across Malaysia and China. Experienced in customer discovery, requirements and SRS, system design, backend implementation, REST integrations, testing, commissioning, code review, mentoring, and delivery coordination. Worked from Midea's China office and customer sites and independently delivered two closed-source systems into customer-hosted environments. Open to relocate to Singapore and frequent worldwide travel.

CORE TECHNICAL AND DELIVERY STRENGTHS

Backend engineering: Java | Java EE | SQL | REST APIs

Data and runtime: PostgreSQL | Oracle Database | SQL Server | WildFly

System delivery: System design | Requirements / SRS | Testing and debugging | Commissioning | Technical scoping

Technical leadership: Code review | Mentoring | Technical interviews | Customer workshops | Delivery risk coordination

PROFESSIONAL EXPERIENCE

Midea Group

Dec 2024 - Jul 2026

Backend Lead Engineer (Technical Lead) | China office and customer sites | Direct employee

- Designed and implemented core Java and SQL system features while reviewing code and aligning contributors with shared engineering standards.
- Led backend design and delivery across concurrent warehouse automation programs, translating on-site customer workflows into SRS documents, technical designs, and implementation plans.
- Coordinated technical scope, engineering capacity, dependencies, and delivery risks with customer and internal stakeholders.
- Worked from Midea's China office and customer sites throughout the assignment, partnering directly with local stakeholders during discovery, implementation, and delivery readiness.
- Guided new engineers through warehouse-domain concepts, development setup, and delivery practices; participated in technical interviews.

Technology and domain: Java | SQL | Warehouse automation

Swisslog Malaysia Sdn. Bhd.

Feb 2020 - Dec 2024

Software Application Engineer | Malaysia office and regional customer sites | Direct employee

- Built and maintained Java modules supporting receiving, putaway, cycle-count, inventory, and infeed/outfeed workflows across warehouse automation deployments.
- Led module delivery for anonymized beverage-manufacturing and secure-printing facilities, from requirements analysis through implementation and on-site commissioning support, including assignments in China.
- Owned test planning and defect investigation for deployments serving global retail customers, collaborating with engineering and site teams through production readiness.
- Mentored new engineers on development setup, warehouse fundamentals, debugging, and the software delivery lifecycle.

Technology and domain: Java | SQL | Oracle Database | SQL Server | Warehouse automation

INDEPENDENT CUSTOMER PROJECTS

Manual Warehouse Management System

F&B manufacturing warehouse (anonymized) | Independent closed-source customer delivery

Aug 2026

Independently built and commercially delivered a closed-source warehouse management system for an anonymized F&B manufacturing warehouse, covering receiving, picking, inventory allocation, shipping, and REST API integrations with upstream systems.

- Deployed the Java EE application on WildFly with PostgreSQL in the customer's server environment.

Stack: Angular | React | Java EE | WildFly | PostgreSQL

Dive Center Attendance and Billing System

Swimming and scuba-diving center (anonymized) | Independent closed-source customer delivery

Jun 2026

Independently built and commercially delivered a closed-source attendance and billing system for an anonymized swimming and scuba-diving center, covering student registration, attendance, bill and payment checks, and monthly and custom reports.

- Implemented the customer-facing workflows and deployed the system to the dive center's server for operational use.

Stack: Angular | React | Java EE | WildFly | PostgreSQL

APPLIED AI PROTOTYPE

AI-Assisted WMS Troubleshooting Prototype

Internal prototype - not released

Designed a retrieval-augmented generation (RAG) assistant to make warehouse automation troubleshooting knowledge easier to access when inventory or process failures occurred.

- **Prototype V1:** Ran a compact language model on a project server and used RAG to retrieve relevant workflow documentation and diagrams, suggesting where support engineers could begin an investigation.
- **Planned V2:** Would extend retrieval to source-code context and read-only database queries so the assistant could narrow likely failure causes and provide diagnostic guidance without exposing proprietary code to end users.

Work concluded at prototype stage when the role ended; it was not released to customers or operated in production.

ADDITIONAL EXPERIENCE AND PARTNERSHIPS

NetEase - Malaysia Market

2022 - Present

External / KOL Partner | Remote

- Conduct product research, market surveys, structured player interviews, and pre-release testing for game-network products in Malaysia.

Sirius Lab

2021 - 2024

Founder / Software Architect | Malaysia

- Led product architecture and project-delivery oversight for a small independent software venture.

EDUCATION

Bachelor of Information Technology (Honours), Software Systems Development

Tunku Abdul Rahman College, Kuala Lumpur | 2020

Diploma in Information Systems Engineering, Computer Science

Tunku Abdul Rahman College, Kuala Lumpur | 2017

LANGUAGES

English (Fluent) | Mandarin (Fluent) | Cantonese (Fluent) | Malay (Fluent)