

YEW JUN CHEE (JAMES)

Software Engineer | Data & Backend Engineering

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GitHub: github.com/JamesYew26 • Eligible for International Visa Sponsorship

PROFESSIONAL SUMMARY

Versatile and results-oriented Software Engineer with a strong foundation in backend systems, automated data engineering pipelines, and intelligent application development. Adept at building scalable data extraction mechanisms, incorporating Large Language Models (LLMs) for batch structured analysis, and resolving high-impact legacy application bugs. Combines sharp algorithmic thinking—proven by hackathon wins—with comprehensive knowledge of network infrastructure to design robust, highly available distributed applications. Excited to bring collaborative development skills and a strong automation mindset to international engineering teams.

TECHNICAL SKILLS

Programming Languages:	Python, Java (Spring Boot), JavaScript (React), Solidity, C++, C#, PHP
Data & Core Backend:	Data Pipelines (ETL), Batch Processing, REST APIs, MySQL, Relational Database Management
AI & Cloud Infrastructure:	LLM Integration (Structured Data Extraction), Docker, DevOps Tools, GitHub CI/CD, Huawei Cloud
Networking Foundations:	Cisco Architecture (CCNA Trained), System Topology Design, Protocols (TCP/IP, OSPF, BGP)

FEATURED ENGINEERING PROJECTS

Automated Job Data Pipeline & LLM Skills-Gap Enrichment Tool *(Python, Relational Databases, LLM Batch API, CLI)*

- **Data Pipeline Architecture:** Built an end-to-end local data engineering command-line tool (CLI) to extract unstructured web job data and systematically load it into a relational database.
- **LLM Batch Processing Engine:** Implemented a robust data enrichment module utilizing structured LLM extractions to automatically process text descriptions in batches, identifying critical skills and tech-stack trends.
- **Automation Analytics:** Transformed chaotic, free-form text data into highly clean, actionable schema formats, empowering programmatic skill-gap tracking and comparative query analytics.

Quantitative Trading Machine Learning Framework **(UM Hackathon 1st Runner Up)** *(Python, Scientific Libraries, HMM)*

- **Algorithmic Modeling:** Developed a predictive mathematical framework leveraging Hidden Markov Models (HMM) to map out hidden macroeconomic market regimes and state variations.
- **Backtesting Infrastructure:** Engineered an independent software engine to execute backtests on historical data feeds, validating performance indicators against active trading strategies.

PROFESSIONAL EXPERIENCE

ALPHV Technologies | Forward Deployment Engineer *(June 2026 - Present)*

- Deployed to Carlsberg to lead the data migration from SAP ERP system to Microsoft D365.
- Managed released product master data by applying ETL transformation processes to convert raw data into clean, actionable datasets.
- Successfully accelerated the delivery timeline for the 5th data migration cycle by a week.

Yon You Malaysia | ERP Consultant Intern (*Nov 2024 - May 2025*)

- Backend Bug Resolution: Investigated and debugged a critical structural anomaly within a legacy mobile application system that remained unresolved for 6 months; safely successfully restored core operational features for 70% of the active user base.
- Data Engineering Pipeline: Tailored high-throughput automated script routines to clean, deduplicate, and validate vast enterprise tabular assets, minimizing downstream cross-team error-analysis timelines by 40%.
- Systems Integration: Conducted system-wide database troubleshooting and error analytics across production ERP enterprise modules to ensure transactional reliability.

Aladdin 1 | IT Internship (*June 2021 - Aug 2021*)

- Workflow Script Automation: Formulated an automated backend data ingestion service, reducing intensive administrative overhead and saving roughly 3 weeks of manual processing operations.
- Cloud Systems Optimization: Managed and refactored application backends hosted on Huawei Cloud infrastructure, reducing runtime bugs, exception footprints, and visual typographical failures by 87%.

LEADERSHIP & ACCOMPLISHMENTS

Computer Science Society TARUMT | Vice President (*June 2024 - June 2025*)

- Hackathon Execution: Superheaded and executed a comprehensive campus-wide developer hackathon, directing logistics, hardware environment configurations, and continuous engineer resources.
- Technical Mentorship: Coordinated and led complex student developer masterclasses focused entirely on Version Control (Git/GitHub), training junior peers in team workflows and modern codebase collaboration.
- Web3 Competitive Development: Spearheaded a development squad for the ETHKL hackathon, designing decentralized mechanics and landing multiple highly selective tech ecosystem bounty rewards.

Makers Club TARUMT | Vice President & Robotics Manager (*June 2023 - June 2024*)

- Systems Management & Expansion: Oversaw advanced microcomponent distributions and physical systems architecture layouts, helping drive club registration targets upward by 100% (from 300 to 700+ members).
- National Engineering Championships: Clinched 3 distinctive National Combat Robotics Championship titles by implementing optimized embedded programming scripts and rigorous hardware fail-safes.

EDUCATION

Bachelor of Information Technology (Internet Technology) | TARUMT

CGPA: 3.40 / 4.00 • Core Focus: Advanced Programming Logic, Relational Databases, Networking Technologies

Diploma in Information Technology | INTI International University

CGPA: 2.79 / 4.00 • Core Modules: Foundations of Software Logic, Object-Oriented Development