

EDDY LIM YEE YANG

Software Engineer | AI & Full-Stack Development

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Available from Aug 2026

Computer Science graduate with First Class Honors specializing in AI systems, backend engineering, and full-stack development. Experienced developing IoT monitoring platforms, ML forecasting pipelines, and scalable web applications using Python, TypeScript, REST APIs, ReactJS, ExpressJS, and PostgreSQL.

EXPERIENCE

Software Engineering Intern, Tanand Technology

Jun 2025 - Aug 2025

- Built real-time Grafana dashboards for monitoring industrial IoT telemetry and sensor data.
- Deployed and configured Grafana monitoring environments on remote Linux servers using SSH.
- Developed backend services using ExpressJS and TypeScript to process MQTT device data.
- Designed telemetry data pipelines using Redis, InfluxDB, and PostgreSQL.
- Implemented new frontend features using Vue.js for an internal engineering platform.
- Developed Node-RED automation workflows for industrial monitoring systems.

PROJECTS

AI-Based Hybrid Forecasting Framework for River Nitrate

Sep 2025 - May 2026

Python, Numpy, Pandas · [Github](#)

- Built a forecasting pipeline for river nitrate prediction using STL decomposition and hybrid ML models.
- Implemented automated hyperparameter optimization using Random Search, Grid Search, and WOA.
- Developed hybrid forecasting models achieving ~10% lower MSE than non-decomposed baseline models.

Exam Document Management System

Sep 2024 - May 2025

ReactJS, ExpressJS, Firebase, Figma, SMS OTP · [Github](#)

- Led a team in developing a web-based exam document management system for university exam office.
- Built backend APIs and authentication services using ExpressJS and Firebase.
- Developed ReactJS frontend interfaces for document tracking and retrieval.
- Coordinated Agile sprint planning and task management using Jira.

Housify — Shared Household Management Mobile App

Sep 2025 - Dec 2025

Kotlin, Android Studio, Firebase, Figma · [Github](#)

- Developed an Android mobile application for managing shared household cleaning tasks and schedules.
- Designed and implemented mobile UI screens in Kotlin based on Figma prototypes.
- Integrated Firebase backend services for real-time task synchronization and user data management.
- Implemented Firebase Cloud Messaging (FCM) notifications for automated task reminders.

CRM Browser Extension — Google Workspace Hackathon

Jul 2024 - Jul 2024

ReactJS, Chrome Extension API, OAuth2, JWT, Notion API · [Github](#)

- Developed a CRM system for managing customer records, invoices, and activity tracking workflows.
- Built a Chrome extension using ReactJS and Chrome Extension APIs for invoice activity tracking.
- Implemented OAuth2 authentication and integrated Notion APIs for external workspace connectivity.
- Collaborated in rapid MVP development and feature iteration during a hackathon environment.

SKILLS

Programming Languages: Python, TypeScript, JavaScript, Java, Kotlin, C++	Frontend Technologies: ReactJS, NextJS, VueJS, HTML, CSS, Tailwind CSS	Backend Technologies: NodeJS, ExpressJS, Laravel, REST APIs, Firebase, MQTT
Databases: PostgreSQL, MySQL, MongoDB, Redis, InfluxDB	AI / Data: PyTorch, Pandas, Time-Series Forecasting, Hyperparameter Tuning	Tools: Git, Docker, Linux, Grafana, Node-RED, Figma

EDUCATION

Bachelor of Computer Science with Artificial Intelligence (Hons)

Sep 2023 - July 2026

University of Nottingham Malaysia

- First Class Honors (Average >70%)
- Dean's List Excellence Award Scholarship (Top 2% Achiever)
- High Achievers' Scholarship Recipient

LANGUAGES

English, Melayu, Mandarin