

VORAWEE WILAWAN

Thailand | +66 91-698-8234 | vorawee.wilawan@gmail.com |

EDUCATION

King Mongkut's Institute of Technology Ladkrabang
Final-year student | School of Information Technology

Bangkok
Graduation Date: 2025

WORK EXPERIENCE

ExxonMobil Limited

Full-Stack Developer (Part-time)

Bangkok
Dec 2024 - Present

- Redesigned backend/frontend architecture to improve scalability and maintainability.
- Refactored legacy code to enhance testability, increasing unit and integration test coverage to 60%.
- Developed a React style guide to ensure consistency and best practices.
- Implemented the controller-service pattern in the backend for better code organization and maintainability.

ExxonMobil Limited

Full-Stack Developer (Internship)

Bangkok
Jun 2024 - Nov 2024

- Developed automated dashboard reducing transaction processing time by 66.7%
- Led the introduction of unit testing in the project, ensuring higher test coverage.
- Designed a caching strategy to optimize performance.
- Collaborated with cross-functional teams to integrate new features.

DeepTech KMITL

Full-Stack Developer

Bangkok

- Develop website for teacher assistant application for school of information technology using Next.js
- Integrated Nginx to reverse proxy IP address
- Collaborated with a cross-functional team to develop and implement a teacher assistant software for the School of Information Technology, streamlining the document/application process and reducing administrative time by 40%

PROJECT EXPERIENCE

Event-Driven Order Management System

Developer

- Developed a **distributed microservices system** using **Axon Framework** and **Spring Boot**, implementing **Event Sourcing and CQRS architecture**
- Designed complex **order processing workflow** across multiple services (OrderService, ProductService, PaymentService)
- Implemented **robust event-driven communication** using Axon Server for seamless inter-service interactions
- Created sophisticated **SAGA pattern** to manage distributed transactions and ensure data consistency
- Implemented advanced error handling and rollback mechanisms for product reservation and payment processing
- Developed comprehensive event tracking and audit trail capabilities

Digital Gear (E-commerce Platform)

Developer

- Designed and implemented serverless cloud infrastructure using AWS services such as Lambda, DynamoDB, and API Gateway.
- Developed event-driven microservices architecture leveraging AWS EventBridge and SQS.
- Built scalable, fault-tolerant microservices using Spring Boot and event-driven patterns.
- Engineered backend services with Spring Boot, ensuring high availability and performance.

Pokemon Board Game Project

Java Game Development

- Implemented multi-threaded game controller managing real-time player interactions and battle systems

- Created thread-safe game controller utilizing Java's concurrent programming features to manage game state and player interactions
- Designed modular codebase using Java AWT/Swing for UI components and game rendering
- Built event-driven architecture handling complex game states, animations, and Pokemon capture mechanics

LEADERSHIP EXPERIENCE

ITCAMP 19, IT KMITL

Vice President

- Organized and facilitated workshop, recreation, encouraging collaboration and teamwork between team members
- Communication among team members
- Problem-solving, time-management, adaptability while managing camp

SKILLS

- Java, Spring Boot, Hibernate, Axon Framework, RabbitMQ, Docker, MySQL, AWS (Lambda, DynamoDB, API Gateway, EventBridge), Azure (App Service, MySQL), TypeScript, React.js, Express.js, Python