KHANITTHA TANTRONGDEE

JAVA SOFTWARE ENGINEER

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Backend Developer (Java & Spring Boot) focused on writing clean and maintainable code. Currently gaining hands-on experience in distributed systems by refactoring a monolithic E-commerce project into microservices. Motivated to apply modern backend engineering practices in real-world projects.

AREA OF EXPERTISE

Java & Spring Boot	RESTful API Design	Clean Architecture
Monolithic ➜ Microservices Refactoring	Database Design (MySQL/PostgreSQL, JPA/Hibernate)	Git, GitHub, CI/CD Pipelines
Authentication (JWT, OAuth2)	Docker & Containerization	

KEY ACHIEVEMENTS

- Monolithic Backend Development: Built a structured backend using Spring Boot 3 and PostgreSQL, implementing JWT authentication, role-based access control (RBAC), and core business logic for order and inventory features.
- Designed RESTful APIs with validation, error handling, and relational database schemas using JPA/Hibernate.
- Currently refactoring monolithic modules into microservices using Docker and service decomposition principles.

PROFESSIONAL EXPERIENCE

Independent Java Backend Developer (Remote)   **Sep 2023 – Present**

- Backend Development: Developed backend applications using Java 21, Spring Boot 3, and PostgreSQL/MySQL, focusing on writing clean and maintainable code to meet business requirements.
- E-Commerce Project: Built a complete Monolithic E-Commerce Backend, implementing modules for Product Management, Inventory handling, Cart/Checkout logic, and Order workflows.
- Security Implementation: Integrated Spring Security 6 with JWT authentication and Role-Based Access Control (RBAC) to secure API endpoints.
- API Design: Designed and documented RESTful APIs with input validation, consistent error handling, and structured responses for seamless frontend integration.
- Skill Expansion: Currently exploring Microservices Architecture by refactoring selected monolithic components into independent services using Docker, gaining practical exposure to distributed system concepts.

Digital Operations & Platform Coordinator, THE LIGHT CLASS — (contract)   **Nov 2021 - Present**

- Managed daily e-learning platform operations, ensuring accurate user enrollments, payment workflows, and smooth content delivery.
- Diagnosed and coordinated fixes for platform-related issues to maintain service continuity.
- Improved internal workflows by analyzing user behavior and operational bottlenecks.
- Supported platform functionality through minor HTML/CSS/JS/PHP updates and collaborated on requirement clarification for system enhancements.

EDUCATION

Sukhothai Thammathirat Open University   **Sep 2022 - Present**

B.Sc. Computer Science — Expected Graduation: Jan–Feb 2026
- Developed a web application using Spring Boot and MySQL, focusing on form input handling and backend logic using Java OOP.

Mae Fah Luang University   **Aug 2013 - Aug 2016**

B.Sc. International Development
- Completed foundational studies with emphasis on research, communication, and analytical skills.

ADDITIONAL INFORMATION

Technical Skills
- **Languages:** Java, JavaScript, SQL
- **Frameworks & Libraries:** Spring Boot, Spring Security, Hibernate, React
- **Databases:** MySQL, PostgreSQL
- **Web & Tools:** REST APIs, JWT, Git, Docker, HTML/CSS, OpenAI API, Stripe API
- **Familiar With:** Microservices concepts, Saga Pattern (concept), Kafka (basic)

Soft Skills
- Problem-solving & Analytical thinking
- Self-learning / Independent Project Management
- Communication & Collaboration

Languages
- Thai: Native
- English: B2
- German: B1 (exam planned 2026)