

# DANG ANH QUAN

Java Backend Intern

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## PROFILE SUMMARY

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A driven and disciplined backend developer passionate about building clean, maintainable systems through hands-on projects and real-world collaboration. Eager to contribute to a professional team and grow through a backend internship opportunity.

## TECHNICAL SKILLS

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- Programming Languages: Java, SQL
- Backend: Spring Boot (REST APIs, DI), Spring Security (JWT), Spring Data JPA (Hibernate), Kafka (basic), WebSocket (basic), Exception Handling
- Databases: MySQL, PostgreSQL, MongoDB
- Frontend (basic): HTML, CSS, JavaScript, Bootstrap 5, React.js , Tailwind
- Tools & DevOps: Git, GitHub, Postman, Docker, IntelliJ IDEA, Visual Studio Code
- Others: API Gateway, Eureka, Zipkin (monitoring)

## EDUCATION BACKGROUND

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### Thu Duc College of Technology

*Associate Degree in Information Technology (Expected 2025)*

Final-year student | 2022 – 2025

## PROJECT EXPERIENCE

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### E-Commerce Microservices System

**Feb 2025 – Present** | *Backend Developer*

GitHub: [github.com/quandang08/E-Commerce-Java-Spring](https://github.com/quandang08/E-Commerce-Java-Spring)

Developed a scalable and distributed e-commerce system using multiple microservices with Spring Boot and Kafka, focusing on efficient order processing and secure payment workflows.

- Designed and developed a scalable, distributed e-commerce system based on microservices architecture using Spring Boot, ensuring high availability and fault tolerance.
- Built core microservices handling product management, order processing, payment, and user services, achieving clear service separation and maintainability.
- Integrated Apache Kafka for real-time asynchronous event-driven communication, enabling reliable order status updates and payment processing.

- Managed service discovery using Eureka and API routing through API Gateway, optimizing system scalability and load distribution.
- Utilized MongoDB for flexible, scalable NoSQL data storage to handle diverse data models efficiently.
- Containerized all services using Docker to ensure consistent environments for deployment and facilitate cloud scalability.
- Implemented distributed tracing with Zipkin to monitor and troubleshoot complex inter-service workflows, enhancing system reliability and performance.

## Social Media System

**Dec 2024 – Mar 2025** | *Fullstack Developer*

Frontend: [github.com/quandang08/social-media-front-end](https://github.com/quandang08/social-media-front-end)

Backend: [github.com/quandang08/social-media-back-end](https://github.com/quandang08/social-media-back-end)

A full-stack social networking platform delivering secure user authentication, real-time interactions, and personalized content feeds.

- Built a multi-layered architecture (controller, service, repository, ...) to ensure modularity and ease of maintenance.
- Developed secure authentication and role-based access using Spring Security with JWT for seamless user onboarding.
- Created RESTful APIs for user search, post reactions (like, comment, ...) and follow/unfollow workflows, supporting high-volume interactions.
- Implemented real-time messaging and instant notifications with WebSocket, boosting user engagement and retention.
- Designed personalized feeds and trending post algorithms to surface relevant content and drive repeat visits.
- Crafted dynamic, responsive UIs in React.js with Redux, Material UI, and Tailwind CSS for an intuitive user experience.

## CERTIFICATIONS & AWARDS

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- Global Hub 2 – English Hub Program, (Vietnam USA Society English Centers), April 2025
- TOEIC Certificate (Expected July 2025)

## LANGUAGE SKILLS

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- Vietnamese: Native
- English: Intermediate (B1–B2 CEFR)

## REFERENCE

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**Mr. Phan Thanh Nhuan**

Lecturer, Thu Duc College of Technology

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