# Nguyen Quoc Anh Tuan

Intern Full Stack Developer

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## SKILL

**Programming:** Java, JavaScript, TypeScript, GoLang.

**Frameworks:** Spring Boot, React, NextJS, Material UI, Bootstrap.

**Project Management:** SCRUM, AGILE, Github, Gitlab.

**Tools:** Docker, Kafka, Redis, MySQL, Nginx.

**DevOps:** Jenkins, Gitlab CI, AWS.

## CERTIFICATE

**TOEIC LISTENING & READING**
815/990 *Mar 2025*

## EDUCATION

**NONG LAM UNIVERSITY - NLU**
Information Technology *Sep 2021 - Present*

## PERSONAL PROJECT

**Japanese Bookstore** - Github *Mar 2025 - Present*

**Description**: Japanese Bookstore is a scalable e-commerce web application tailored for the retail sector, specializing in Japanese literature and products. The project is designed with real-world implementation in mind, emphasizing performance, maintainability, and extensibility to support future growth and business needs.

**Technologies**: ReactJS, TypeScript, Spring Boot, Redis, Jenkins, Docker, MySQL, AWS, Cloudflare, Nginx.

- Implemented a decoupled architecture with a React frontend served via Nginx and a Spring Boot backend powered by MySQL, enhancing maintainability and scalability.
- Set up an automated CI/CD pipeline using Jenkins to streamline deployment and reduce release time.
- Secured the application in production with HTTPS to ensure encrypted data transmission.
- Strengthened security by enabling Cloudflare Full SSL (Strict mode).
- Leveraged AWS S3, CloudFront, and Cloudflare to deliver static assets via a robust and efficient CDN setup.
- Optimized performance with Redis caching on the backend and Nginx caching on the frontend.

**Short Video Mobile App** - Github *Sep 2024 - Jan 2025*

**Description**: A closed social network mobile application with features: authentication, role based authorization, videos management, user interactions and various admin controls. Focused on flexibility and scalability to ensure optimal performance and its future growth.

**Technologies**: React Native, TypeScript, Spring Boot, Kafka, Redis, MySQL, Docker, AWS, Debezium.

- Implemented using Microservices for a scalable and maintainable application architecture.
- Authentication with JWT and role-based access control using Spring Security and Spring Cloud Gateway.
- Integrated AWS CloudFront to accelerate S3 content delivery, reduce latency, and improve scalability for a seamless user experience.
- Enhanced system reliability using Apache Kafka for efficient and decoupled inter-service messaging.
- Utilized Debezium for CDC, implementing the Transactional Outbox pattern to ensure data consistency, reliability, and eventual consistency across services.