

NGUYEN PHUOC NGUYEN

FULLSTACK DEVELOPER

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🔗 portfolio

ABOUT ME

Full-Stack Developer building end-to-end web applications with Java 17 / Spring Boot 3 on the backend and React, Next.js 14, and Angular 17 on the frontend. Strongest in secure REST API design (JWT / OAuth2, RBAC), event-driven services with Kafka and Redis, and multi-gateway payment integrations (VNPay, MoMo, ZaloPay, SePay). Owns a feature from database schema and API design through to SSR/SEO UI and Docker-based deployment, including real-time functionality over WebSocket (STOMP/SockJS).

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, SQL

Backend: Spring Boot 3, Spring MVC, Spring Data JPA / Hibernate, Spring Security, Spring AOP, REST APIs, WebSocket (STOMP/SockJS), Apache Kafka

Core CS: Data Structures, Algorithms, System Design

DevOps & Tools: Docker, Docker Compose, Git / GitHub, Swagger / OpenAPI, Vite, Bruno, Figma

Frontend: React.js, Next.js 14, Angular 17, Redux Toolkit, RxJS, Tailwind CSS, Ant Design, Bootstrap, SSR & SEO, responsive mobile-first UI

Data & Caching: MySQL, PostgreSQL, Redis, Flyway (schema migrations)

Authentication & Security: JWT, OAuth2 / OIDC, RBAC, SMS & email verification, checksum validation

Payments: VNPay, MoMo, ZaloPay, SePay — multi-gateway integration, asynchronous transaction handling

PROJECTS

Airbnb Booking Platform 🔗, *Fullstack Developer*

Sep 2025 – Jan 2026

Stack: Spring Boot 3 (Java 17), Next.js 14, WebSocket (STOMP/SockJS), JWT, VNPay / MoMo / ZaloPay / SePay

- Built an end-to-end homestay booking platform: a Spring Boot 3 REST API with secure authentication and a server-rendered Next.js 14 frontend optimised for SEO.
- Delivered real-time messaging and booking notifications over WebSocket (STOMP) and SockJS.
- Implemented booking and scheduling logic with availability conflict detection and automated status updates — the most complex piece of the system.
- Integrated four payment gateways (VNPay, MoMo, ZaloPay, SePay) with QR check-in and analytics dashboards.
- Secured the API with Spring Security, JWT, RBAC, SMS verification, and email confirmation.

Audi Service Booking 🔗, *Fullstack Developer*

Apr 2025 – Oct 2025

Stack: Spring Boot 3, Spring Data JPA / Hibernate, React (Vite), MySQL, Redis

- Built the backend service with Spring Boot 3, MySQL, and Redis, including checksum validation and asynchronous transaction handling.
- Built a React (Vite) frontend with a real-time scheduling interface covering slot management and conflict detection.
- Automated PDF invoice generation and revenue dashboard reporting.
- Integrated VNPay, MoMo, and ZaloPay checkout flows plus a customer-support chat.
- Implemented RBAC authentication using Spring Security and JWT.

Apple-Style E-commerce Storefront 🔗, *Fullstack Developer*

Aug 2024 – Dec 2024

Stack: Spring Boot, React (Vite), OAuth2 / OIDC, Redis, Docker

- Built a full e-commerce stack — Spring Boot backend and React (Vite) storefront — with reusable components shared across product, cart, and checkout flows.
- Reduced database load by caching product retrieval in Redis.
- Containerised the stack with Docker and Docker Compose for consistent environments.
- Secured authentication with Spring Security, JWT, OAuth2 / OIDC, and RBAC.

Book Views Online (E-commerce) 🔗, *Backend Developer*

Apr 2024 – Aug 2024

Stack: Spring Boot 3 (Java 17), Angular 17 SSR, Apache Kafka, Redis, MySQL, Flyway

- Designed an event-driven architecture with Apache Kafka and Redis caching, cutting database load and raising throughput on the ordering flow.
- Built a scalable e-commerce platform on Spring Boot 3 (Java 17) with an Angular 17 SSR frontend for performance and SEO.
- Managed MySQL schema migrations with Flyway and documented REST APIs with OpenAPI (Swagger).
- Implemented JWT / OAuth2 authentication with Spring Security and RBAC.

VTI Store (B2C E-commerce), *Fullstack Developer*

Jun 2023 – Feb 2024

Stack: Spring Boot, React 18, OAuth2, Redis, MySQL, Flyway, Docker

- Built a B2C e-commerce application end-to-end: a Spring Boot backend and a React 18 storefront covering product browsing, checkout, and order processing.
- Integrated REST APIs with Redis-backed caching to speed up product search.
- Managed MySQL migrations with Flyway and containerised environments with Docker.
- Implemented authentication with Spring Security, JWT, OAuth2, and RBAC.

EDUCATION

SAIGON TECHNOLOGY UNIVERSITY, *Information technology*

Oct 2020 – Nov 2024

CERTIFICATES

VTI ACADEMY, *Fullstack web*

Jun 2023 – Feb 2024

INTERESTS

Reading | Traveling | Topical blogs & research