

Nguyen Tuan Phong

Backend Developer

✉ tuanphonglqd@gmail.com ☎ 0944 102 246 📁 My Portfolio in Nguyen Tuan Phong 📺 KuaBK

Objective

I am seeking an internship opportunity as a **Java Back-end Developer**, where I can contribute to the team while learning from experienced professionals. I am highly motivated, quick to learn, and excited to tackle challenging problems in back-end development, and I aim to grow into a full-stack engineer or technical leader who can design and lead impactful software solutions.

Education and Certificate

Ho Chi Minh City University of Technology

Sept 2022 – Present

A current undergraduate student majoring in Computer Science.

Certificate: Scrum/Agile by AXON ACTIVE

Skills and Technologies

Programming Languages: C++, Java, JavaScript.

Frontend Technologies: HTML, CSS ,Bootstrap.

Backend Frameworks & Libraries: Spring Boot, Spring Data Access, WebSocket & STOMP,...

Authentication & Authorization: OAuth2, Keycloak, JWT.

Databases: MySQL, MongoDB.

Tools & Platforms: Postman, Docker, Swagger-UI, Git & GitHub.

Cloud & Deployment: Cloudinary(file), Vercel (Front-end), Render (Back-end), Aiven & Azure (Database).

Third-party Services & APIs: VNPay, PayOS (Payment Gateway API).

Projects

E-Commerce Website (B2C)

Back-end Developer (Backend Teamsize: 1)

Project of Database Systems

Nov 2024 - Dec 2024

Technologies: Spring Boot, Spring Security, JWT, RESTful API, Spring Data JPA, Spring Mail, MySQL, PayOS (payment service), Cloudinary

My Contributions: Developed the entire back-end architecture

- **Authentication:** Secured with Spring Security & JWT.
- **Database:** MySQL via Spring Data JPA & Hibernate.
- **File Upload:** Cloudinary integration.
- **Payment:** Real banking with PayOS.
- **E-invoices:** Auto-generated & emailed using Spring Email + PDF.

Github: [E-commerce Website](#) [🔗](#)

Deploy: [FPS shop](#) [🔗](#)

Chat Application

Fullstack Developer

Personal Project

Feb 2025 - April 2025

Technologies: Spring Boot, Spring Security, Keycloak, Websocket, Stomp, Angular, PostgreSQL

My Contributions:

- **Real-time Messaging:** Built bi-directional chat using WebSocket and STOMP.
- **Auth:** Integrated Keycloak for SSO and role-based access control.
- **User Sessions:** Secured WebSocket sessions with Keycloak user context.
- **Media Support:** Enabled sending images and emojis in chat messages.

Github: [Chat Application](#) 

Asset Management System (Scrum/Agile Course)

Back-end Developer (Backend Teamsize: 1)

Project of Advanced Software Engineering

20/3/2025 - 28/3/2025

Technologies: Spring Boot, Spring security, JWT, RESTful API, Spring data JPA, MySQL, Spring mail, Apache POI API.

My Contributions: Built the entire back-end system

- **Automated Excel Reports & Email Notifications:** Generate annual Excel reports and send automated emails.
- **Auth:** Integrated Keycloak for SSO and role-based access control.
- **Asset Tracking & Lifecycle Management :** track asset movements, and manage depreciation, repairs, and disposal.
- **Deployment:** back-end Spring Boot (render), database mySQL (on Aiven), front-end ReactJS (on Vercel).

Github: [Asset Management System](#) 

Deploy: [Vercel App](#) 

Smarting Printing Services Website

Backend Developer (Backend Teamsize: 2)

Project of Software Engineering


Sep 2024 - Dec 2024

Technologies: Spring Boot, Spring security, JWT, RESTful API, Spring data JPA, Spring mail, MySQL, Swagger, VNPay.

My Contributions:

- Used Spring Security & JWT for user authentication and authorization, protecting APIs.
- Swagger auto-generates API documentation for testing.
- Integrated VNPay for secure online payments.
- Spring Mail sends automatic email notifications for system updates, invoices, and alerts.

Github: [Smarting Printing Services Website](#) 

Access [My GitHub](#)  to check out two more completed mine projects: **Human Resource Managment** and **Hospital Management**.