



# Nguyen Tan Khoi

## SOFTWARE ENGINEER

+84 78 709 12 03 | tankhoi46@gmail.com | [Linkedin](#) | [Github](#) | [Portfolio](#)

### SUMMARY

Final-year IT student with hands-on experience in Java Spring Boot, RESTful APIs, and Dockerized backend systems. Skilled in building scalable web applications through academic and team projects. Seeking an entry-level backend role to apply technical expertise and contribute to production-ready software.

### TECHNICAL SKILLS

- Programming Languages: *Java, JavaScript, Python*
- Databases: *MongoDB, PostgreSQL, Oracle*
- Frameworks / Libraries: *Spring Boot, Spring Data JPA, Spring Security, Bootstrap 5*
- Tools: *Git, GitHub, GitLab, SVN, Postman, Docker*
- Concepts: *REST APIs, JWT, OOP, MVC*

### EXPERIENCE

#### Aipower - Developer Intern | *Java EE, Oracle, PostgreSQL, Postman* May 2025 - Aug 2025

- Optimized complex SQL queries after migrating from Oracle to PostgreSQL, reducing API response time.
- Designed and executed manual API test cases in Postman, validating outputs with SQL queries.
- Improved system stability by resolving bugs with developers and leading regression testing.
- Enhanced testing efficiency by building internal tools (Excel-checker, SQL-query-binder) in collaboration with DevOps.

### PROJECTS

#### E-commerce website | *Java, SpringBoot, MongoDB, Docker* [Live Demo](#) [Github](#)

- Built a backend using Spring Boot RESTful APIs
- Implementing OAuth2 authentication and JWT-based secure information transmission.
- Integrated external services, including GHTK API for shipping cost estimation and VNPay for payment processing.

#### Blogging website | *Java, SpringBoot, MongoDB, Docker* [Github](#)

- Built a backend system using Spring Boot RESTful APIs.
- Implementing OAuth2 authentication and JWT-based secure transmission.
- Integrated advanced services, including comment toxicity analysis via the Perspective API and text-to-speech generation with the Coqui TTS library.
- All containerized with Docker for easy deployment.

### EDUCATION

#### Bachelor of Information Technology Sep 2021 – Sep 2025

##### HCMC University of Technology (HUTECH)

- Major in **Software Technology**
- **GPA: 3.45/4.0**

### CERTIFICATES

- **English:** TOEIC LR 855 (05/2025)
- **Japanese:** JLPT N4 (07/2025)