Nguyen Tan Khoi

SOFTWARE ENGINEER

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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*   <u>Live Demo</u> <u>Github</u>
- 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*   <u>Github</u>
- 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 Engineering**
- **GPA: 3.45/4.0**

CERTIFICATES

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