Nguyen Trung Nghia - Software Engineer

Phone: 0799256654 / Email: nghia250803@gmail.com GitHub   LinkedIn

SUMMARY

A graduate in Information Technology with 1 year of hands-on experience in Software Engineer, specializing in Java programming and web development. Passionate about exploring new technologies and seeking challenging opportunities.

TECHNICAL SKILLS

Backend: Java 17, Java Core, Spring Boot, Spring MVC, Spring Validation, Spring AOP, Spring Security, Spring Data JPA/Hibernate, Transaction Management, Lombok, RESTful API, Message Broker (ActiveMQ, RabbitMQ), Real-Time Data (WebSocket), Spring Batch, Spring Scheduler, Quartz Scheduler, MyBatis, Flyway

Frontend: HTML5, CSS3, JavaScript, jQuery, Bootstrap, Thymeleaf, JSON

Database: MySQL, MS SQL, Oracle, SQLite

DevOps/Tools: VCS (Git, GitHub), Maven, Gradle, Docker, AWS, Linux, Postman, Swagger

Testing: JUnit 5, Mockito, Spring Test

Knowledge: OOP, Design Patterns, Unit & Integration Testing, Agile/Scrum

PROFESSIONAL EXPERIENCE

Bitsco Company (Vietnam)   **01/2024-12/2024**

Project: HPU Website

- **Description:** A web app used by the school library to manage books, documents
  Technologies:
  - **Back-end:** Spring Boot, Spring Security, JPA, RESTful API, Maven, Lombok
  - **Front-end:** HTML5, CSS3, Bootstrap, jQuery
  - **Database:** MySQL
  - **DevOps:** Maven, Linux, Git/GitHub
- **Responsibilities:**
  - Researched and analyzed the existing source code to understand the system architecture and identify optimization points.
  - Participated in both frontend and backend design and development.
  - Built RESTful APIs to connect the user interface with the database.
  - Used MySQL to manage and maintain more than 20 tables in the database.
  - Packaged the application as a JAR file using Maven, uploaded it via SFTP to the internal Linux server, configured the environment, and ran the application as a background service.
  - Performed testing in the staging environment, fixed bugs, and prepared user documentation for staff.

Project: Digital Transformation Platform

- **Description:** Developed a web-based platform to support digital transformation for enterprises
- **Technologies:**
  - **Back-end:** Spring Boot, Spring Security, JPA, RESTful API, Maven, Lombok
  - **Front-end:** ReactJS, HTML5, CSS3, Bootstrap

- o **Database:** MySQL
- o **DevOps:** Maven, Linux, Git/GitHub
- **Responsibilities:**
  - o Developed RESTful APIs to connect the system with related services and applications.
  - o Managed and optimized the MySQL database, including over 30 tables with complex relationships.
  - o Built JAR files using Maven, uploaded them via SFTP to the internal Linux server, configured the environment, and ran the application in the background.
  - o Created technical documentation and user guides for staff.

PERSONAL PROJECT

Project: Flash Card Amin Web   (Check here)   **03/2025-05/2025**

- **Description**: Developed a web-based admin panel to manage data for a mobile flashcard English learning application.
  - o Implemented CRUD operations for core entities: Users, Flashcard Sets, and Flashcards.
  - o Secured the application using Spring Security with role-based access control (Admin vs. User).
  - o Designed and developed RESTful APIs to enable the mobile app to retrieve and sync data.
  - o Deployed the application to AWS for production environment hosting and availability.
- **Technologies**: Spring Boot, Spring Security, Spring Data JPA, Hibernate, RESTful API, HTML5, CSS3, JavaScript, Bootstrap, Thymeleaf, MySQL, AWS Server, Git, GitHub.

Project: Flash Card Android App   (Check here)   **03/2025-05/2025**

- **Description**: Developed an Android application to help users learn English vocabulary using the flashcard method.
  - o Create, edit, delete, and manage personal vocabulary flashcard sets.
  - o Display words and meanings in flashcard format with flip functionality for self-testing.
  - o Review mode with both multiple-choice and written-answer quizzes.
  - o Synchronize data with the server via RESTful API using Retrofit.
- **Technologies**: Java, Android Jetpack, MySQL, Retrofit, Android UI, Git, GitHub.

EDUCATION

Hanoi University of Industry (Vietnam)

- Software Engineering.   Degree grade: Good - GPA 3.4/4

CERTIFICATIONS

2025   Oracle Certified Professional: Java SE 17 Developer   (Check here)
2025   English Competency: TOEIC 765/990