**Nguyen Trung Nghia - Software Engineer**

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

**PERSONAL PROJECT**

**Project:** Flash Card Amin Web ([Check here](http://54.250.147.206:8080/)) **03/2025-05/2025**

* **Description**: Developed a web-based admin panel to manage data for a mobile flashcard English learning application.
  + Implemented CRUD operations for core entities: Users, Flashcard Sets, and Flashcards.
  + Secured the application using Spring Security with role-based access control (Admin vs. User).
  + Designed and developed RESTful APIs to enable the mobile app to retrieve and sync data.
  + 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](https://github.com/neekon2508/DATN/tree/develop)) **03/2025-05/2025**

* **Description**: Developed an Android application to help users learn English vocabulary using the flashcard method.
  + Create, edit, delete, and manage personal vocabulary flashcard sets.
  + Display words and meanings in flashcard format with flip functionality for self-testing.
  + Review mode with both multiple-choice and written-answer quizzes.
  + 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**

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| **2025** | Oracle Certified Professional: Java SE 17 Developer ([Check here](https://catalog-education.oracle.com/ords/certview/sharebadge?id=FF09D9C66D42FFA03FE33B847A439A894895EE40E8BACFCF24891C23004D25C2)) |
| **2025** | English Competency: TOEIC 765/990 |