Nguyen Tien Dat

Hanoi, Vietnam | ntdat14092003@gmail.com | +84 989 378 596 | linkedin.com/in/dat-nt
github.com/NgTiennDat

Education

Hanoi University of Science and Technology   Sept 2021 – Dec 2025

- GPA: 3.01/4.0
- **Relevant Coursework:** Data Structures (C++), Analysis of Algorithms (C++), Prob & Stat in CS (Python), Intro to CS II (C++), Linear Algebra w/Computational Applications (Python), Object-Oriented Programming (Java), Computer Architecture (Assembly/MIPS), Discrete Mathematics

Experience

Develop Assistant, Hanoi University of Science and Technology, Vietnam   March - May 2024

- Enhanced Player Engagement (20% Increase): Crafted intricate gameplay mechanics using Java and Java Swing, leading to a significant rise in player engagement.
- Reduced Bug Complaints (25% Decrease): Engineered the game's core functionalities, resulting in a substantial decrease in bug-related complaints.

Projects

Book Social Network   January - March 2024

- Built a book social network: Enabled book enthusiasts to connect, share collections (up to 100 books per user!), and engage through secure features.
- Ensured robust user management: Implemented JWT authentication for over 500 users, documented 25+ APIs, and containerized the application for effortless deployment and scalability.
- Enhanced development efficiency by 20% through clear class diagrams and well-documented APIs (OpenAPI and Swagger UI), ensuring a seamless user experience with a user-friendly interface
- Harvested the power of PostgreSQL and Hibernate 6 for efficient database management, while streamlining deployment and scalability with Docker and Docker Compose.

Movie   June - July 2024

- Developed a robust movie RESTful API website using Spring Boot 3, integrating JWT for securing authentication and managing over 100 user registrations and logins.
- Implemented comprehensive features for saving, retrieving, and providing feedback on movies, leveraging PostgreSQL's scalability and Hibernate 6's object-relational mapping prowess for efficient data management.
- Elevated user experience with robust account verification leveraging Google Mail's email activation codes, ensuring impenetrable user protection.

Job Api Application   October - December 2023

- Developed a robust Job API using NodeJS, ExpressJS, and MongoDB, featuring comprehensive user management and secure authentication.
- Crafted a scalable Job API (NodeJS, ExpressJS, MongoDB) with secure user management (Mongoose validation, bcryptjs hashing) and seamless authentication (JWT tokens), which can handle over 500 user registrations and logins per month.

Languages and Certificates

English: Ielts Certificates band score of 6.0

Certificates: JavaScript and Algorithm by FreeCodeCamp

Technologies

Languages: C++, C, Java, SQL, JavaScript, NodeJS

Software: SQL, PostgreSQL, Docker, MongoDB

Framework: Spring, Spring boot 3, Express