Tien Minh Vy

Ho Chi Minh City, Vietnam • me@tienminhvy.com • (+84) 889 131 775 • linkedin.com/in/tienminhvy
github.com/tienminhvy • tienminhvy.com

Results-driven backend engineering intern proficient in Java and SQL, eager to apply strong problem-solving skills and learn from experienced teams. Passionate about creating high-performance systems. Skilled in Docker, Java, Spring Boot, Hibernate, and Git.

EDUCATION

Bachelor's degree in Information Technology   **Aug 2021 - Present**
Sai Gon University   **GPA:** GPA: 3.3/4.0
     Expected Graduation Date: December 2024

CERTIFICATIONS

TOEIC Listening and Reading (865) by **ETS**   **Mar 2024**

WORK EXPERIENCE

Java Backend Intern   **May 2024 - Present**
Movie Booking Application   **Ho Chi Minh City, Vietnam**

Description: a RESTful API for online movie booking solution, implemented authentication for users using OAuth2 PKCE and logging in with Google Simple-Sign-On, enabled checking movie information, facilitating movie ticket reservations, and processing payments with integrated VNPay API.

Roles:

- Deployed GitHub flow for automated testing, continuous integration and continuous delivery.
- Integrated Elasticsearch for searching movies and integrated Logstash for data migration from MySQL database.
- Developed adding new movies and updating existing movies on the movie booking application.
- Collaborated in designing RESTful API services according to HATEOAS principles, providing a more navigable and standardized API experience.

Team Lead / Java Developer   **Apr 2024 - May 2024**
Member Management Application   **Ho Chi Minh City, Vietnam**

Description: A web application was developed for managing members of a learning center during a Software Development course held at Saigon University. It includes the management of users' information and hardware devices. Providing authentication for users to reserve one or multiple hardware devices on a specific date.

Roles:

- Led a team of 10 people in class and completed the project within one month.
- Established clear communication channels within the team, reducing miscommunication and improving overall team morale.
- Led the team in adopting modern development tools and technologies, reducing development time for new features, and enhancing team skill sets.
- Demonstrated strong problem-solving skills by quickly identifying and resolving critical production issues, improving application stability.
- Assisted in the migration of legacy code to newer frameworks, enhancing maintainability and codebase stability.
- Participated in code reviews and provided valuable feedback, reducing bugs and enhancing code quality.
- Integrated software features developed by team members.

Team lead   **Oct 2023 - Dec 2023**
Piano Sales Solution   **Ho Chi Minh City, Vietnam**

Description: A desktop application for piano sales was developed during a C# Development course at Saigon University. It included management of users' information, instruments, and authentication for users to access the system.

Roles:

- Developed solution ideas for piano sales.
- Planned features and designed the UI for the application.
- Assigned and delegated tasks to team members to improve project efficiency.
- Optimized UI and features to align with project operations.

PROJECTS

Movie Booking Application ↗   **May 2024 - Present**

Technologies: Java (Hibernate, Spring Framework - Spring Boot), SQL (MySQL), Docker for containerization.

Source code: https://github.com/techsymphony/movie-booking-be

Description:

- Enhanced security and user access by authenticating using OAuth2 PKCE and signing in with Google, resulting in a more secure and user-friendly authentication process.
- Improved access control by authorizing with RBAC, ensuring that users have appropriate permissions and increasing application security. Streamlined code organization by utilizing a 3-layer architecture, MVC pattern, and package-by-feature approach, leading to more maintainable and scalable code.
- Enhanced API usability and flexibility by building and designing RESTful API services according to HATEOAS principles, providing a more navigable and standardized API experience.
- Expanded payment options by integrating movie booking with VNPay, resulting in a more versatile and user-friendly payment system.
- Improved API documentation by using Swagger, making it easier for developers to understand and use the API. Facilitated deployment and scalability by containerizing the Spring Boot application using Docker, enabling consistent environments and easier scaling.
- Clarified system requirements and design by drawing use case diagrams, ERDs, and class diagrams, leading to better communication and understanding among stakeholders.
- Enhanced team collaboration and version control by using GitHub flow, resulting in more efficient and organized development processes.

Member Management Application ↗   **Apr 2024 - May 2024**

Technologies: Java (Hibernate, Spring Framework - Spring Boot), SQL (MySQL), HTML, CSS, Javascript (Bootstrap 5)

Source code: https://github.com/MoHinhPhanLopTHT5/ProjectThree

Description:

- Developed an authentication system for users to make reservations for hardware devices, checking account information, and violation records (if any).
- Improved management by applying an automatic way to import user and hardware device information data.
- Implemented CRUD standards for managing data objects such as users and hardware devices, performing action records like entering the Learning Center and reserving hardware devices.

SKILLS

CI/CD: Docker

Backend (with framework): Java (Spring Boot, Hibernate), PHP (Laravel), C# (N/A), Python (Django)

Database: MySQL

Version Source Control: Git

Soft Skills: Problem Solving Skills, Communication Skills, Time Management Skills

Web technologies knowledge (with Framework): HTML, CSS (Bootstrap 5), Javascript (jQuery)

Foundation Knowledge: OOP (Object-Oriented Programming), DSA (Data Structures and Algorithms)