# **Tien Minh Vy**

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Detail-oriented Java backend intern with experience in Spring Boot and Hibernate. Developed secure, scalable applications, and integrated third-party services. Strong skills in database design, RESTful APIs, and containerization with Docker. Proficient in MySQL, Git, and web technologies.

#### **WORK EXPERIENCE**

## Java Backend Intern Movie Booking Application

May 2024 - Present Ho Chi Minh City, Vietnam

- 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.

# Web Developer Intern

**Coffee Shop** 

Jan 2024 - May 2024 Ho Chi Minh City, Vietnam

- Optimized database performance and efficiency by designing a database with a balanced approach of normalization and denormalization, resulting in faster query execution and streamlined data management.
- Enhanced system architecture by drawing BFD, ERD, sequence diagrams, and activity diagrams, leading to improved system documentation and clearer development workflows.
- Improved user experience across devices by developing responsive web layouts, increasing user engagement and satisfaction by ensuring accessibility on all screen sizes.

**Team Leader** 

Oct 2023 - Dec 2023 Ho Chi Minh City, Vietnam

### Piano Selling Java Application

- Developed a solution for selling pianos in a C# programming language course at Saigon University.
- · Planned features and designed UI for the application.
- Assigned and delegated tasks to team members, improving project efficiency.
- Optimized UI and features to align with project operations.

#### **EDUCATION**

#### **Bachelor's degree in Information Technology**

Sai Gon University

I am able to work fulltime

Aug 2021 - Dec 2024

**GPA:** GPA: 3.3/4.0

#### **PROJECTS**

## **Movie Booking Application**

May 2024 - Present

Technologies: Java (Hibernate, Spring Boot), SQL (MySQL), Docker Responsibilities:

- 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.
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Coffee Shop Jan 2024 - May 2024

Technologies: HTML5, CSS (Bootstrap), JavaScript (JQuery, AJAX), PHP(Laravel) Responsibilities:

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- Enhanced system architecture by drawing BFD, ERD, sequence diagrams, and activity diagrams, leading to improved system documentation and clearer development workflows.
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Piano Selling ☑ Oct 2023 - Dec 2023

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#### **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

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

#### **CERTIFICATIONS**

TOEIC (865) by ETS Mar 2024