

Ly Gia Bao

Fresher Software Engineer

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CAREER OBJECTIVE

Aspiring Java Backend Developer with experience in Spring Boot, Hibernate, and RESTful APIs. Passionate about software architecture, design patterns, and clean code. Seeking to contribute to a collaborative Agile team and build scalable software solutions.

EDUCATION

- **Ton Duc Thang University** Ho Chi Minh City
Bachelor of Software Engineering; GPA: 3.1 / 4.0 *Oct 2020 - Present*

SKILLS

- **Backend:** Spring Boot (Advanced), Java (Advanced), Hibernate (Intermediate), REST API (Advanced)
- **Database:** MySQL (Advanced), MSSQL (Advanced)
- **Frontend:** Angular (Intermediate), TypeScript (Intermediate), HTML/CSS (Intermediate)
- **Tools:** Git (Advanced), Docker (Intermediate), RabbitMQ (Intermediate), Redis (Intermediate)
- **Soft Skills:** Teamwork, Problem-solving, Time management
- **Languages:** English (B1), Vietnamese (Native)

EXPERIENCE

- **bbv Vietnam** Ho Chi Minh City, Vietnam
Software Engineer Intern *May 2024 - Oct 2024*
 - **Projects Involved:** Digital Asset Management System, Notification Service
 - **Key Contributions:**
 - * Design database and support other.
 - * Developed and optimized RESTful APIs for asset management, reducing database query execution time.
 - * Integrated RabbitMQ for asynchronous task processing, enhancing system scalability and performance.
 - * Implemented Redis caching to improve response times and reduce database load.
- **ICPC Programming Team** Ton Duc Thang University
Competitive Programmer *2022 - 2023*
 - **Algorithmic Problem-Solving:** Developed advanced problem-solving skills through rigorous algorithm training and competitive programming.
 - **Competition Experience:** Actively participated in national and international coding contests, excelling in data structures, algorithms, and time-efficient solutions.
- **Academic Club ICON** Ton Duc Thang University
Backend Development Mentor *Mar 2021 - 2022*
 - **Mentorship & Training:** Guided first-year students in backend development, focusing on algorithms, database management, and best practices in software engineering.
 - **Technical Workshops:** Organized and led workshops on backend technologies, improving technical proficiency and fostering a learning culture among students.

PROJECT EXPERIENCE

- **Digital Asset Management System** bbv Vietnam
Backend Development *June 2024 - Sep 2024*
 - **Overview:** Developed a scalable Digital Asset Management (DAM) system with multi-tenant support, facilitating the organization and processing of digital assets such as images, videos, and documents.
 - **Key Contributions:** Implemented core functionalities including asset storage, metadata management, and version control. Developed features like automatic thumbnail generation, image transformation, and video streaming.
 - **Performance Optimization:** Integrated Redis caching to enhance system performance and RabbitMQ for asynchronous task processing, improving responsiveness and scalability.
 - **Technology Stack:** Spring Boot, Hibernate, MSSQL, RabbitMQ, Redis, AOP, FFmpeg
 - **Team Size:** 6 members
 - **Role:** Java Backend Developer
- **Notification Service** bbv Vietnam
Backend Development *June 2024 - Sep 2024*
 - **Overview:** Developed a notification service capable of sending templated emails, SMS, and voicemail messages with support for multiple communication channels.
 - **Key Contributions:** Integrated Google API and Twilio for email and SMS notifications. Implemented voicemail functionality using Stringee API for automated voice messages.
 - **Performance Optimization:** Utilized RabbitMQ for asynchronous message processing to enhance scalability and reduce system latency.
 - **Technology Stack:** Spring Boot, Hibernate, MSSQL, RabbitMQ, Twilio, Stringee
 - **Team Size:** 6 members
 - **Role:** Java Backend Developer
- **Task Management Application** Personal Project
Full-stack Development *Feb 2023 - Mar 2024*
 - **Overview:** Designed and developed a task management web application with real-time synchronization and user-friendly task organization features.
 - **Key Contributions:** Implemented user authentication, role-based access control, project management, and customizable task workflows. Developed drag-and-drop task organization and email notification system.
 - **Technology Stack:** Spring Boot 3, Angular 17, MySQL, Spring Security, Hibernate, AOP, Service Worker
 - **Role:** Full-stack Developer

CERTIFICATIONS

- **B1 PET Cambridge:** Issued: Sep 2023
- **ICPC Ton Duc Thang University:** Member: 2023-2024

HONORS AND AWARDS

- **Honor Roll (2021-2022):** Recognized for outstanding academic and extracurricular achievements.