Nguyen Hai Trung

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OBJECTIVE

I am seeking a Java Back-end Developer role to apply my knowledge of Java and the Spring framework. I aim to contribute effectively to projects while gaining hands-on experience in the software development lifecycle. This opportunity will serve as a foundation for my growth into a proficient Java Back-end Developer. I am eager to enhance my technical expertise and contribute to impactful projects in a collaborative and dynamic environment.

EDUCATION

• **Hanoi University of Civil Engineering**   *September 2021 - December 2024*
Bachelor of Computer Science
  ◦ GPA: 3.29/4.00

LANGUAGES

• **English**
  ◦ Toeic: 850

TECHNICAL SKILLS

- Programming Languages: Java, JavaScript, SQL.
- Frameworks & Libraries: Spring Boot, Hibernate/JPA, RESTful API, React, React Native.
- Databases: Analysis and design database PostgreSQL/MySQL.
- Tools & Other Skills: Git, Docker, Linux.

PROJECTS

• **CAB application (Motorbike booking app)**
Role: Full-Stack Developer   [○]
  ◦ **Description**: Developed two mobile applications—one for users and one for drivers. The user app allows customers to book rides, order food, and request deliveries, while the driver app enables drivers to accept and fulfill orders. The app also implements the A* algorithm for route optimization and pathfinding.
  ◦ **Technology**: React Native, Java Spring Boot, PostgreSQL, Stripe, Websocket.
  ◦ **Key Features**:
    ∗ User App: Book rides with up to 3 destinations, view restaurant menus, order food, and request deliveries. Real-time tracking of driver location and trip progress via WebSocket.
    ∗ Driver App: Drivers can accept and fulfill ride, delivery, and food orders with real-time task updates.
    ∗ Backend: Implemented a driver search feature to schedule tasks that find available drivers if no match is found initially. Integrated Stripe for payment processing: users can add a card, select from saved cards, and complete transactions securely. Using A* algorithm for optimized route planning, calculating the shortest paths based on Hanoi's node data.

• **LMS website**
Role: Back-end Developer   [○]
  ◦ **Description**: Developed a Learning Management System (LMS) where students can search for courses, preview lessons, and purchase courses. The platform also includes an admin panel for managing course content.
  ◦ **Technology**: Java Spring Boot, MySQL, Stripe, Spring Security, Spring Data JPA, JWT, Oauth2.
  ◦ **Key Features**:
    ∗ Admin: Manage courses (add, edit, delete), view statistics on student enrollment and course revenue.
    ∗ User: Browse and preview free lessons. After purchasing a course, students can access all content. Students can also reset video progress after completing a course.
    ∗ Back-end: Implemented role-based access control, social login via OAuth2, and integrated Stripe for payment processing.