

# Pham Minh Chi

Web Developer Intern

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## Overview

- Pretty solid foundation in back-end web application development with basic understanding of front-end technologies.
- Proficient in HTML and CSS; familiar with React.js and its core principles.
- Academic project experience in: Spring Boot, RESTful APIs, PHP, JavaScript (ReactJS), MySQL, PostgreSQL, and Redis.
- Familiar with API integration using Fetch API and Axios.
- Knowledge of version control using Git.
- Understanding of database design, CRUD operations, and basic query optimization.
- Able to use English at an intermediate level for reading technical documentation, basic listening, and simple communication.
- Quick learner, eager to apply new technologies.



## Education

**2023/09 - Present**

**UTH**

- Starting my third year at Ho Chi Minh City University of Transport.
- Results of specialized subjects, calculated on a 4-point scale:
  - + Object Oriented Programming: 3.00
  - + Data Structure and Algorithm: 4.00
  - + Database: 3.50
  - + Database Design: 3.50
  - + Database Management System: 3.50
  - + Web Programming: 4.00
  - + Computer Network: 3.00
  - + Java Programming: 4.00



## Skills

- Back-end: Basic experience with Spring Boot, RESTful APIs, JWT authentication, and API Gateway.
- Architecture & Messaging: Microservices and monolithic architecture, event-driven communication with NATS.
- Database & Caching: Worked with PostgreSQL, MySQL, and Redis.
- Front-end: Basic understanding of React.js, mainly for integrating and testing APIs.
- Version Control: Familiar with Git.
- Soft Skills: Good communication, teamwork, and quick adaptability to new technologies.
- Office & Design Tools: Proficient in Microsoft Word, Microsoft Excel, and Canva.



## Career Objective

### Short-term

- Gain practical experience in back-end web development through an internship, applying knowledge from academic projects to real-world applications.
- Improve programming skills in Spring Boot, RESTful APIs, and database management.
- Quickly adapt to the company's working environment to contribute effectively and help generate value for the business.

### Long-term

- Become a skilled back-end developer capable of building scalable and secure systems.
- Continuously improve expertise to bring sustainable growth and long-term benefits to the company.



## Projects

### SMART ATTENDANCE

(2025/06 - 2025/07)

<b>Project Name</b>	Academic Project
<b>Descriptions</b>	A smart attendance system for students using QR code scanning and face recognition. The system verifies student identity and class location in real-time, supporting multiple buildings, classrooms, and schedules. Designed to prevent attendance fraud and ensure accurate records.
<b>Number of members</b>	1
<b>Position</b>	Back-end Developer
<b>Responsibilities</b>	<ul style="list-style-type: none"><li>• Designed and implemented RESTful APIs for attendance management.</li><li>• Integrated QR code validation logic, including class ID, room ID, and building ID checks.</li><li>• Developed face recognition service using Python and DeepFace, communicating via NATS messaging.</li><li>• Implemented authentication and authorization using JWT for secure API access.</li><li>• Integrated Eureka (Netflix) service discovery for microservices registration and load balancing.</li><li>• Implemented WebSocket for real-time attendance updates to the front-end.</li><li>• Utilized Redis for caching frequently accessed data, improving system performance.</li><li>• Managed database schemas for user, class, and attendance records in PostgreSQL.</li><li>• Deployed microservices and managed API Gateway.</li></ul>
<b>Technology</b>	Spring Boot, PostgreSQL, Redis, Python (DeepFace), ReactJS, RESTful API, JWT, NATS, API Gateway, Eureka, Docker.

Laundry Management  
(2024/11 - 2024/12)

Project Name	Academic Project
Descriptions	A laundry shop management application built as a monolithic Spring Boot project. The system supports order tracking, service management, and payment confirmation via Casso API integration. This was the first project to practice Spring Boot fundamentals.
Number of members	4
Position	Back-end Developer
Responsibilities	<ul style="list-style-type: none"><li>Developed core features using Spring Boot in a monolithic architecture.</li><li>Practiced using Spring annotations for dependency injection and request handling.</li><li>Implemented ORM with JPA/Hibernate for database interaction.</li><li>Integrated Casso API as a third-party payment confirmation service.</li><li>Designed basic database schema and implemented CRUD operations.</li></ul>
Technology	Spring Boot, MySQL, JPA/Hibernate, Casso API.