Duong Huy Bach

Intern FullStack Developer

OBJECTIVES

Passionate about software design and development, I aim for a position as a Software Engineer/Solution Architect, where I can use my knowledge of Software Design and Development to constructing and delivering efficient architectural solutions for complex software

EDUCATION

FPT University 2023 - Present

Major: Software Engineering

GPA: 3.4

SKILL

Technical:

- Good experience in javascript and its ecosystem (ReactJS,NodeJS).
- Good experience in RDBMS (MySQL, SQL Server) and have experience in NoSQL (MongoDB and Redis).
- Have experience in Java (Spring Framework)

Certificate:

• Ielts 6.0

PROJECT

1. Health Management System

18/06/2025 - Present

Description:

A web-based hospital management system that helps clinics streamline their operations. The system allows patients to book medical appointments online and provides clinic staff with tools to manage patient queues, call patients in for checkups, and record medical results. It also includes a built-in chatbot to support customer service, answer common questions, and guide patients through the process.

Key Contributions:

- Built a real-time messaging system supporting file, image, and text messages via socket.
- Implemented a notification system: stored in the database and emitted via socket for realtime notifications.
- Integrated Sepay payment gateway for booking and cancellation, with status handling via webhook.
- Built a user feedback system (rating and comments) for doctors.
- Implemented authentication using JWT and refresh tokens.
- Integrated OAuth for fast and convenient social login.
- Self-hosted a local LLM to power a RAG-based chatbot, streaming responses to clients in real-time via SSE.
- Managed nurse records, including profile and specialization information.

Technologies Used:

-ReactJS, ExpressJS, FastAPI, TailwindCSS, Ant Design, Websocket, MySQL, Transformers, LLama 3.2B

Link github:

- Link: https://github.com/bach205/Health Management System

2. Realtime Chat App 12/08/2024 - 15/09/2024

Description:

A chat app that provides realtime messaging features for users to communicate instantly, built with a microservice architecture to improve scalability and system maintainability.

Key Contributions:

- Implemented OTP management with request throttling and abuse prevention to enhance security and user experience.
- Integrated Redis to accelerate OTP verification and improve overall system performance.
- Built realtime messaging using WebSocket for seamless and instant communication between users.
- Added multi-language support using FormatJS, enabling smooth and flexible language switching.

Technologies Used:

-React Native, ExpressJS, WebSocket, MongoDB, MySQL, Redis

Link github:

- Frontend: https://github.com/bach205/My-Match-FE
- Backend: https://github.com/bach205/My-Match-BE

ADDITIONAL INFORMATION

Available for full-time work.

I see programming languages as tools and am always willing to learn new technologies to adapt to the job requirements.

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