

# LAI DUONG MINH HIEU

[ldmhieudev@gmail.com](mailto:ldmhieudev@gmail.com) ◇ [Github](#) ◇ [Linkedin](#)

## Software Developer

0903 009 406 ◇ Go Vap, Ho Chi Minh city

### OBJECTIVE

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#### Short-term goals:

- Collaborate with senior developers to understand system architecture. Enhance debugging and problem-solving abilities. Improve coding skills by working on real-world projects.

#### Long-term goals:

- Become a proficient full-stack developer with expertise in multiple technologies. Take on leadership roles in backend development teams. Design and develop scalable and high-performance backend systems.

### SKILLS

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Programming Languages	Typescript, Javascript, Java
Frameworks And Libraries	NodeJs, <b>NestJs</b> , <b>Express</b> , Spring, Nextjs.
Technologies and Tools	Redis, WebSocket.
Databases	PostgreSQL, MySQL, MongoDB
DevOps	Docker, DigitalOcean, Nginx
Version Control	Github, Gitlab
Soft Skills	Communication, Adaptability, Research.

### EXPERIENCES

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#### Briswell

June 2025 - August 2025

During this internship, I will be working on various tasks related to building and improving web applications using **Express** and **Vue 3**. Learn and apply security best practices to protect the application from common vulnerabilities. Implement robust validation mechanisms to ensure data integrity and reliability. Refactor and organize code to follow clean code principles, reducing complexity and improving maintainability. Optimize the codebase to minimize redundant functions and enhance overall performance. This experience will help me strengthen my backend and frontend development skills, while practicing industry-standard coding practices in real-world projects.

#### Remote AIARA Corp – E-commerce (South Korea)

2025

During this remote project, I worked on developing and optimizing an e-commerce platform for the South Korean market using **NestJS** and **GraphQL**.

- Designed and implemented GraphQL schemas and resolvers to support efficient data fetching and flexible queries.
- Built secure authentication and authorization mechanisms tailored to the platform's business logic.
- Applied clean architecture principles to improve code structure, maintainability, and scalability.
- Optimized backend performance by reducing over-fetching and improving query execution time.
- Collaborated remotely with the client to gather requirements, provide technical consultation, and deliver high-quality features on schedule.

This project enhanced my skills in backend API design, GraphQL best practices, and building scalable server-side applications for international clients.

### PROJECTS

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#### *Chat-System*

**Backend:** <https://zalo-clone-vip-pro.me/api/>

- **Description:** A real-time communication app where users can add friends, chat individually or in groups, and share multimedia content. Supports sending stickers, emojis, and GIFs to enhance conversations. Offers customization options and ensures privacy with end-to-end encryption.
- **Position:** Team leader, back-end

- **Team members:** 3
- **My features:**
  - Set up the project, configure Nginx, and design the project architecture to handle REST requests and receive responses via WebSocket. Design the database schema, implement file storage using server, and develop features related to friend requests, chat rooms, and message sending (WebSocket).
  - Optimize latency by implementing **caching** with **Redis**, utilizing in-memory caching (RAM), and employing the **Pub/Sub** pattern to enhance file transfer efficiency.
- **Technologies:** NestJS, Socket.IO, MongoDB, PostgreSQL, Redis.

### ***Tour-SummonerRift***

**Backend:** <https://travelsummonerrift.me/swagger-ui/index.html/>

**Frontend:** <https://travelsummornersrift.quindart.shop/home/>

- **Description:** An application for tour booking where Admins can create and manage tours and schedules. Clients can search for destinations, book tours, and complete payments. Supports real-time updates and secure transaction processing.
- **Position:** Back-end, front-end
- **Team members:** 5
- **My features:**
  - **Back-end:** Set up the project foundation with exception handling, file upload, and CRUD business logic. Customize features such as tour rating with Redis and implement asynchronous email sending using queued mail templates. Develop APIs for booking and notification functionalities.
  - **Front-end:** Using NextJs and library relational ( **tailwind, shacdn,..**) to create UI tour and tour detail page
- **Technologies:** Spring Boot, NextJs, Microservice (Open Feign, Spring Cloud), Redis, PostgreSQL

## **EDUCATION**

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**Univercity:** Industrial University of Ho Chi Minh City ( IUH )

**Major:** Software Engineering

**GPA:** 8.5 / 10

## **SCHOLARSHIP AND ACTIVITY**

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**Scholarship:** 50% of the tuition fee 2024

**AUN-QA:** Representing the university in the AUN-QA interview. 2024