



Nguyen Tan Loc

Software Engineer

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Address: An Khanh, Ninh Kieu, Can Tho

ABOUT

I am a software engineer seeking an opportunity to apply for a backend developer position. I have been working with JavaScript, TypeScript, NestJS, MySQL, and MongoDB on my projects. I am genuinely interested in and passionate about web development, which drives me to keep learning and practicing. I am always striving to improve my skills and solve problems.

SKILLS

Main skills:

- *Programming Languages:* Javascript (Browser, NodeJS), TypeScript, SQL, NoSQL.
- *Frameworks and Libraries:* NestJS, TypeORM, Apollo GraphQL, Swagger, ReactJS, Axios, React Native.
- *Programming Paradigms and Architectures:* RESTful API, GraphQL, OOP, MVC.
- *Database Management:* MySQL, MongoDB.
- *Tools & Platforms:* Git, GitHub, GitLab.
- *Languages:* Native Vietnamese and Intermediate English.

Soft skills: Communication, Teamwork, Responsibility, Creativity, Problemsolving, Adaptive.

PROJECTS

Quizzes & Exams Management System(*thesis*)

Team(size: 2, role: *back-end*)

Aug 2024 – Dec 2024

Description: Developed a question management and automatic exam paper generation system for the university that aims to help lecturers easily personalize the generation exams and management questions, and the data related to exam papers.

Responsibility: Build the server-side functionality, including randomly generating and managing exam papers, managing and classifying questions, classes, courses, chapters, users, permissions, user authentication and authorization(RBAC), and related data.

Technologies: NestJS, MongoDB, GraphQL, TypeORM.

Github: <https://github.com/locnguyen2k2/exam-management-system>.

Laboratory Management System

Team(size: 3, role: *back-end*)

Jan 2024 – Jul 2024

Description: Developed a laboratory information management system that enhances the efficiency of transferring, borrowing, returning, and managing item information for the university laboratory.

Responsibility: Build the server-side functionality, including transferring, borrowing, returning items, and CRUD operations (items, rooms, categories, users, roles, permissions) and user authentication and authorization.

Technologies: NestJS, MySQL, Swagger, TypeORM.

Github: <https://github.com/locnguyen2k2/laboratory-management-system>.

HiCoffee - Order Management System

Team(size: 2, role: *full-stack, mobile application*)

Sep 2022 – Dec 2023

Description: Developed an ordering system to manage information, the ordering process, statistics and payment.

Responsibility: Building the server-side functionality, including managing orders, payments, statistics, products, categories, areas, tables, invoices, user authentication, and authorization. Developed the frontend for the client side of the website and application.

Technologies: Php, MySQL, Axios, Ajax, Javascript, Websocket(Ratchet), HTML, CSS, React Native.

Github(web management): <https://github.com/locnguyen2k2/hi-coffee-management-system>

Github(ordering application): <https://github.com/locnguyen2k2/hi-coffee-order-application>

EDUCATION

Can Tho University of Technology

Software Engineer

Oct 2020 - Jan 2025

Major: Software engineering

GPA: 3,47/4.0