



# Nguyen Tan Loc

Software Engineer

## ABOUT

I am a fourth-year software engineering student at Can Tho University of Technology, applying for a back-end developer position. My passion and excitement for web development drive me to continuously learn and practice, always striving to improve my skills.

## SKILLS

### Main skills:

Programming Languages: Javascript, TypeScript, SQL, NoSQL, Php.

Frameworks and Libraries: NestJS, TypeORM, Apollo GraphQL, Swagger, ReactJS, Ant design, Axios, React Native.

Programming Paradigms and

Architectures: RESTful API, GraphQL, OOP, MVC.

Database Management: MySQL, MongoDB.

Tools & Platforms: Git, GitHub, GitLab.

Language: Native Vietnamese and Intermediate English.

### Soft skills:

Communication, Teamwork, Responsibility, Creativity, Problemsolving, Adaptive.

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## Github

<https://github.com/locnguyen2k2>

## Portfolio

<https://locnguyen2k2-portfolio.vercel.app/>

## My 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 aims to helps lecturers easily personalize the generation exams and management of data related to exam papers.

**Responsibility:** Build the server side's functionality, including randomly generating and managing exam papers, managing and classifying questions, classes, courses, chapters, users, permissions, user authentication and authorization, 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 – July 2024

**Description:** Developed a Laboratory Information Management System (LIMS) 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, and returning items; 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, and payment.

**Responsibility:** Building the server-side functionality includes managing orders, payments, statistics, products, categories, areas, tables, invoices, user authentication, and authorization. Developed an ordering application.

**Technologies:** Php, MySQL, Axios, Ajax, Javascript, HTML, CSS, React Native

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

**Github:** <https://github.com/locnguyen2k2/hi-coffee-order-application>

## EDUCATION

### Can Tho University of Technology

Bachelor of Software Engineering

Oct 2024 - Jan 2025 (expectedly)

Major: Software engineer

GPA: 3,47/4.0