

NGUYỄN MINH THUẬN

SOFTWARE ENGINEER INTERN

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Hi, I'm a software engineer who can code all day without getting tired.

SUMMARY

In my third year of pursuing a degree in with a specialization in Information Systems, my university journey has been a captivating exploration of the intricate world of technology. From delving into advanced coding languages to understanding the intricacies of designing and managing information systems, the curriculum has equipped me with a robust foundation in the field. Navigating through challenging projects and coursework, I've honed my problem-solving abilities and gained valuable insights into the dynamic realm of Information Systems.

EDUCATION

VIETNAM NATIONAL UNIVERSITY HO CHI MINH CITY UNIVERSITY OF SCIENCE

Aug 2021 – expected Aug 2025

- Major in Infomation system; Minors in Infomation of technology
- GPA : 3.16/4.0

Relevant Coursework: Design software, Advanced database management system, Operating of system, Data structures and algorithms, Object-oriented programming, Database management system, Advanced database, Analysis and design of information systems, Software technology.

PROJECT

T25 SHOP

September 2023 – January 2024

- This is a project to clone the user page of the e-commerce platform:
- Technologies used: REST API, Nodejs, Mongoose, MongoDB, expressJs, ReactJs, React Router, React Hook Form, Vite, ESLint, Prettier, React Helmet
- Functions include:
 - Comprising two interconnected systems through a secure HTTPS web API, the auxiliary system serves as the user payment system.
 - Shopping cart functionality, schema validation, product filtering, image uploading, product statistics API.
 - Payment system with traceability features
- Github: https://github.com/Mthuaajn/T25_Shop
- Document api: <https://documenter.getpostman.com/view/26089803/2s9YsT4TBs#intro>

Twitter Clone

Mar 2024 - Now

- This is a personal project of mine to develop an API for the social media application Twitter (is being completed)
- Technologies used: Express.js, TypeScript, MongoDB Node.js Driver, Socket.io, Docker, AWS, Github, Swagger, ESLint, Prettier, Nginx, PM2, JWT (access token,

refresh token) & OAuth 2.0 (Google), AWS SES, Server storage & AWS S3, Upload and resize image, video, Node.js Stream & HLS (HTTP Live Streaming), Docker & EC2 (AWS), Swagger.

- Github: <https://github.com/Mthuaajn/Twitter>

Natour

Nov 2023 - Mar 2024

- This is a tourist area management website used to promote and allow tour booking.
- Technologies used: Node, Express, MongoDB and Mongoose (MongoDB JS driver), template pug, bootstrap, javascript
- Functions include:
 - Build a fast, scalable, feature-rich RESTful API (includes filters, sorts, pagination, and much more)
 - CRUD operations with MongoDB and Mongoose
 - Security: encryption, sanitization, rate limiting
 - Advanced authentication and authorization with password reset api send email with mailtrap, forgot password reset, send mail with register api
 - Login management with JWT applies automatic token refresh
 - Credit card payments with Stripe (api checkout session), upload file with multer
- Github: <https://github.com/Mthuaajn/Natours>
- Link web: <https://nhism-c6870112c460.herokuapp.com/>
- Document api: <https://documenter.getpostman.com/view/26089803/2s9YsRb8iW>

Sahara BookStore

Nov 2023 - Jan 2024

- This is my personal website created for store employees to manage books
- Functions include:
 - Create book sales invoices, generate book purchase orders,
 - Scoped CSS with Styled Component
 - Book lookup functionality, issue payment receipts
 - Generate regular reports, and include basic search capabilities.
- Github: https://github.com/Mthuaajn/project_PM_new
- Document includes the following stages: Proposal, Analysis Phase Contributions, Design Phase Contributions, Test
- Link document:
https://drive.google.com/drive/folders/1GTCEZLdvGao5_4_i6JTZ7BgJVExE06gb?usp=sharing

TECHNICAL SKILLS

- Programming Languages: Javascript, TypeScript, c++, c#
- Database: Oracle, MongoDB, sql server, PostgreSQL
- Web Front-end Technologies: HTML5, CSS3, SEO, jquery, vuejs
- Web Back-end Technologies:
 - Protocols: REST, HTTP(S), Nginx
 - Platform : Nodejs
 - Frameworks/Libraries: bootstrap, json server, expressjs, mongoose
 - Cloud Services: Heroku, aws ses , aws s3
 - CI- CD: docker hub, docker container, docker compose,
- Dev tool: Git, Postman, Github, Gitlab, Figma, VS Code, Bash, swagger