

# Nguyen Minh Quan

Experienced back-end software engineer with 2 years of expertise in building scalable and secure systems for production.

## Back-End Software Engineer

## Work Experience

Apr 2022 – Sep 2023 (Full Time)

### System EXE Vietnam Software Developer

Collab with cross-functional teams and senior developers to design, build, and manage micro-service applications using **Java** and **Spring Boot**, aligning with client requirements and industry standards.

Implement RESTful API web services to enable secure and efficient data communication between server and client applications.

Investigate and address technical issues and software vulnerabilities to ensure quality of the output.

Diagnose and resolve performance issues and security vulnerabilities in applications.

Work with QA engineers to ensure the quality and reliability of software products.

Research and study under technical leaders guidance to gain valuable insights and enhance skillsets.

Maintain technical documents, including code comments and feature documentation.

Ensure software applications to meet performance benchmarks by contributing to performance testing and optimization efforts.

Participate in user acceptance testing activities to guarantee the software satisfied client expectations and requirements.

Jan 2020 - May 2020 (Full Time)

### Sutrix Solutions Java Developer Intern

Develop and maintain web applications using Adobe's Experience Manager CMS to include site architecture, custom components, workflow development, and digital asset management.

Take part in workshops, knowledge-sharing sessions, and training opportunities to increase understanding of technologies and methodologies.

## Projects

### E-learning Platform







An E-learning online training website integrated set of interactive online services that provide teachers, learners, and others with resources to support and enhance educational delivery and management.

The project is built on a monolithic architecture using **Express.js**, **React.js**, **MySQL**, and **Cloudinary** for video streaming.

### Node.js News Portal

Coordinated with a team of two to construct a feature-rich server-side rendering news website using **Node.js** and the **Express** framework. Using **MySQL** database to handle content storage and retrieval, **CKEditor 5** for rich text formatting editor and self-hosting media information.

The news website has five distinct roles, including administrator, writer, publisher, subscriber, and guest, with separate role-based functionalities.

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## Skills

### Languages

Java, Python, Javascript, Typescript, Golang.

### Back-End

Spring Framework, Gin, Node.js, Express, Kafka, ORMs.

### Front-End

React.js, TailwindCSS, MUI, HTML, CSS, jQuery.

### Databases

MySQL, SQLServer, PostgreSQL, MongoDB, Firebase, Redis.

### Tools & Platforms

AWS, Git, GitHub, GitLab, SVN, Linux, Docker, NGINX, Gradle, Maven, Jupyter, VBA, Bash, JSON, OpenAPI, ELK, Postman, Selenium.

### Methodologies

OOP, Restful API, Waterfall, Agile/ Scrum, Prototype.

## Certificates

### ISTQB Foundation Level (CTFL)

Software testing, test analysis and design, TDD and test tools.

## Education

**Bachelor of Science** 2016 – 2020  
in Information Technology  
*University of Science*  
GPA: 8.04 / 10.00

## Interests

### Machine learning fields:

Generative AI, Natural Language Processing, Computer Vision.

**Outdoor activities:** Swimming, Running and Badminton.

Computer hardwares and games.