


Nguyen Van Quoc Hung

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PROFILE

Backend Engineer with over 2 years of experience specializing in developing and maintaining scalable and robust backend systems. Proficient in NestJS, JavaScript (JS), and TypeScript (TS), with extensive experience working with SQL and NoSQL databases, including PostgreSQL and MongoDB,. Skilled in building efficient APIs with GraphQL, implementing microservices architectures, and working with cloud-based solutions on AWS. Passionate about delivering high-quality, maintainable, and performance-driven backend solutions while adhering to best practices.

SKILLS

Javascript	SQL (PostgreSQL, SQL Server)	Git (Github, Gitlab, Bitbucket)
Typescript	NoSQL (MongoDB, DynamoDB)	AWS
NestJS	REST APIs, GraphQL	Docker
Monolithic, Microservices	Cache (Redis)	

EDUCATION

Danang University of Science and Technology
Majors: Information Technology
Engineer's degree | GPA: 3.49/4.00

CERTIFICATIONS

TOEIC 820 (Listening & Reading)
AWS Cloud Practitioner

PROFESSIONAL EXPERIENCE

ENOSTA

Apr 2022 - Present

Backend Engineer

- Designed and maintained scalable backend systems using NestJS and GraphQL, ensuring robust and efficient APIs.
- Improved database performance by implementing effective indexing strategies and optimizing query execution plans.
- Implemented caching mechanisms using Redis, significantly improving API response times and reducing load on databases.
- Participated in designing and implementing microservices architectures, ensuring scalability and ease of maintenance.
- Maintained thorough documentation for APIs to support team collaboration and project continuity.
- Collaborated with cross-functional teams to define system requirements, troubleshoot issues, and deliver seamless features for end-users.

PROJECTS

SMARTOS

Backend Engineer

- Description: A PropTech SaaS product
- Tech Stack: NestJS, GraphQL, Redis, PostgreSQL, MongoDB, Opentelemetry, Prometheus, Docker, AWS (Lambda, ECS, Cloudwatch, SQS, Amazon MQ, S3), Gitlab CI
- Responsibilities:
 - Designed and implemented scalable PropTech backend systems using NestJS and GraphQL, ensuring efficient data retrieval and query flexibility.
 - Contributed to designing and implementing a microservices architecture operating in parallel with a monolithic system.
 - Designed and maintained database schemas for both MongoDB (unstructured data) and PostgreSQL (structured data), optimizing query performance for high-volume operations.
 - Collaborated with the frontend and product teams to define API requirements and deliver features that met business needs.
 - Conducted code reviews to maintain clean, maintainable, and efficient codebases.
 - Monitored and resolved backend performance bottlenecks, ensuring system stability and reliability in production environments.
 - Contributed ideas for feature development and system improvements to enhance platform usability and scalability.

User Guiding

Backend Engineer

- Description: A platform designed to provide interactive user guidance and support for application navigation.
- Tech Stack: NestJS, REST APIs, SQL Server, AWS (Lambda, S3), CircleCI
- Responsibilities:
 - Developed and maintained backend services using NestJS and RESTful APIs.
 - Designed and optimized database structures in SQL Server.
 - Worked closely with frontend teams to define API specifications and seamlessly integrate backend functionality with the user interface.

Soulmed

Backend Engineer

- Description: A system for psychiatric hospitals for veterans.
- Tech Stack: NestJS, GraphQL, PostgreSQL, AWS (S3)
- Responsibilities:
 - Developed invoice module using Puppeteer and Pugjs.