

# NGO NGUYEN DUY NHAN

## Software Engineer

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### EDUCATION

#### VNUHCM - University of Science

Sep 2022 – Now

*Bachelor of Information Technology*

GPA: 3.7/4

#### Nguyen Binh Khiem High School for the Gifted, Quang Nam

Aug 2019 – May 2022

*Major in Mathematics*

GPA: 9.3/10 (Major: 9.9/10)

### TECHNICAL SKILLS

**Languages:** JavaScript, Go

**Frameworks:** NestJS, Next.js, React.js

**Databases:** PostgreSQL, MongoDB, Redis, Elasticsearch

**Tools:** Docker, Git, AWS S3, Firebase, REST APIs, GRPC, Kafka, Socket.IO

### WORK EXPERIENCE

#### Fullstack Developer – Phygital Labs

Sep 2025 – Dec 2025

- **Yeu lam Viet Nam** and **TapQuest Ba Na**: Developed gamified marketing platforms using **NFC** mechanics where users complete missions and receive rewards.
- Improved backend performance by optimizing APIs with proper **database indexing**, **caching**, and code-level optimizations.
- Implemented asynchronous processing and background jobs to handle high-volume user actions, ensuring stable system performance during peak traffic.
- Tech stack: Next.js, Golang, MongoDB, Kafka, Redis, GRPC.
- Websites: [yeulamvietnam.vn](https://yeulamvietnam.vn)

#### Fresher Fullstack Developer – SHUB Technology JSC

May 2024 – Aug 2025

- **Tiktoday**: Platform supporting brands and KOCs in analyzing TikTok performance data.
- Built scalable frontend architecture with **Next.js** and **MUI**, implementing pixel-perfect UI from Figma.
- Improved UX with lazy loading, Intersection Observer, and optimized rendering.
- Tech stack: Next.js, MUI, Firebase, Golang, PostgreSQL.
- **Booking System**: Internal system connecting brands with TikTok creators.
- Designed backend APIs using **NestJS** and PostgreSQL with clean separation of concerns.
- Integrated TikTok API for account linking and video tracking.
- Tech stack: NestJS, PostgreSQL, AWS S3, Firebase.
- Websites: [tiktoday.vn](https://tiktoday.vn),

### AWARDS & ACHIEVEMENTS

#### Bronze Medal – April 30 Traditional Olympic

2021

- Awarded Bronze Medal in Mathematics among gifted high schools.

#### Participant – Vietnam Mathematical Olympiad (VMO)

2022

- Qualified to participate in the national-level Vietnam Mathematical Olympiad.

#### Second Prize – Provincial Mathematics Contest

2022

- Selected for the provincial team to compete at national level.

### PROJECTS

#### AIRecruit - System for finding and supporting skills for IT job applications (Team Project) 2024 – Present

- Built an end-to-end AI recruitment platform from career insights to AI-generated CVs and job applications.
- Implemented job market analytics (demand, salary, employers) using PostgreSQL and Elasticsearch.
- Integrated AI services (FastAPI + Gemini) for learning paths and ATS-optimized CV generation.
- Implemented RBAC using **Casbin** for Admin and Organization roles.
- Tech stack: NextJS, NestJS, PostgreSQL, Docker, Redis, FastAPI, GeminiAPI, Firebase.
- Website: <https://airecruit-frontend-ashen.vercel.app>,