

NGUYEN THE VU

SOFTWARE ENGINEER

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SUMMARY

Software Engineer with 2 years of professional experience in building and maintaining web applications. Proficient in developing end-to-end solutions, with a strong focus on code quality, maintainability, and performance. Eager to contribute to impactful projects while continuously improving technical expertise and delivering scalable software solutions.

EXPERIENCES

GOLDEN OWL SOLUTIONS

SOFTWARE ENGINEER

09/2025 - present

- Built and maintained full-stack features end to end with React/Next.js and NestJS, developing and integrating RESTful and GraphQL APIs across multiple projects.
- Implemented backend business logic and data access on PostgreSQL, MongoDB, and MariaDB, using Redis caching to reduce database load and speed up responses.
- Developed and maintained services in CQRS-based microservices architectures, separating read and write models to keep business logic modular and maintainable.
- Built asynchronous messaging between services with RabbitMQ to decouple workloads, and shipped changes through automated CI/CD pipelines.
- Troubleshooted and resolved bugs across frontend and backend components, tracing issues to their root cause before applying fixes.
- Used AI-assisted tools to speed up code reviews and test generation, reviewing and validating every AI-generated suggestion and test before merging.

SOFTWARE ENGINEER INTERN

03/2025 - 08/2025

- Developed features for the company's product with React/Next.js and NestJS, backed by PostgreSQL, MongoDB, and Redis.
- Built and integrated RESTful APIs connecting frontend features with backend services.
- Wrote unit, integration, and end-to-end (E2E) tests to validate application behavior and catch regressions early.
- Worked in Agile/Scrum sprints (planning, daily stand-ups), followed GitFlow, and took part in pull request reviews.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Java, SQL.
- **Frontend:** TailwindCSS, React, Next.js, Redux, Zustand, TanStack Query.
- **Backend:** Node.js, Express.js, NestJS, Spring Boot, RESTful APIs, GraphQL, RabbitMQ, Socket.IO.
- **Databases & Caching:** PostgreSQL, MySQL, MariaDB, MongoDB, Redis.
- **Architecture & Practices:** Microservices, CQRS, Unit Testing, Integration Testing, E2E Testing.
- **Tools & DevOps:** Git, Docker, GitHub Actions (CI/CD).
- **Languages:** English (TOEIC 815).

PROJECTS

July – E-commerce Platform

10/2026 - present

Full-Stack Developer

An e-commerce platform for luggage and travel products.

- Built responsive storefront pages from Figma designs with Next.js.
- Developed backend features and e-commerce business logic with NestJS.
- Integrated Typesense to deliver fast, typo-tolerant product search.

Tech Stack: Next.js, NestJS, Typesense, Strapi, Cloudflare, AWS, PostgreSQL

A26K Group — Multi-project Portfolio

03/2026 - 09/2026

Full-Stack Developer

Developed and delivered websites and web applications for a Swiss business group operating across insurance, real estate, and related services, from initial project setup to client delivery.

- Built responsive landing pages from Figma designs on Sanity CMS so content can be updated without code changes, and optimized SEO / GEO.
- Developed full-stack web applications, including dashboards, back-office systems, and client portals, using React and NestJS.
- Implemented real-time chat and instant notifications using Socket.IO and Server-Sent Events (SSE).
- Offloaded long-running tasks to background jobs and event-driven workflows (BullMQ, RabbitMQ) to keep APIs responsive; used Redis for caching and rate limiting.
- Configured Cloudflare security rules to block malicious traffic before it reaches the applications.

Tech Stack: React, Next.js, NestJS, Socket.IO, Sanity, BullMQ, Redis, RabbitMQ, Cloudflare, PostgreSQL, MariaDB

Corren — Warehouse Management System (WMS)

12/2025 - 02/2026

Full-Stack Developer

A web-based warehouse management system for managing warehouse operations and automated workflows.

- Built and improved React interfaces for day-to-day warehouse operations.
- Developed and maintained Spring Boot APIs for warehouse business processes.
- Investigated, debugged, and resolved application issues across frontend and backend components.
- Continuously resolved SonarQube issues during development, raising code quality and maintainability.

Tech Stack: React, Spring Boot, Keycloak, RabbitMQ, PostgreSQL

Clinger — Dating Application

06/2025 - 10/2025

Backend Developer

A dating application with real-time communication and an analytics dashboard for monitoring traffic, revenue, and user activity.

- Developed and maintained the NestJS and GraphQL backend behind the app's core features.
- Resolved N+1 query issues in GraphQL resolvers, significantly reducing API latency and eliminating previously slow responses.
- Implemented Redis-based rate limiting to protect APIs from abuse and excessive traffic.
- Built real-time chat with Socket.IO.
- Refactored existing code to improve maintainability and performance.
- Built a React analytics dashboard giving Product Owners and Marketing visibility into traffic, revenue, and user metrics.

Tech Stack: NestJS, GraphQL, PostgreSQL, Redis, Socket.IO, React, Flutter

EDUCATION

SAI GON UNIVERSITY | HO CHI MINH CITY

Software Engineering

2021 - 2025

- GPA: 3.69/4.0 (8.73/10)