

Long Nguyen Hoang

.NET Developer (Fresher)

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Education

Saigon University, Bachelor of Engineering in Information Technology.

October 2021 – June 2025

- GPA: 3.66/4.0.
- **Relevant Coursework:** C# Programming, Java Programming, OOP, Data Structures and Algorithms, Algorithm Design and Analysis, Database Systems.

Technologies

Programming Languages: C#, Java, SQL, Python, TypeScript, JavaScript.

Software/Frameworks: ASP.NET Core; Spring Boot; DevExpress; Entity Framework Core; Docker; Linux; Git.

Databases: Microsoft SQL Server, PostgreSQL, MySQL, SQLite.

Soft skills: Presentation, Teamwork, Communication, Problem-solving.

Experience

Software Engineer - Viet Nhat Solutions

June 2025 – August 2025

- **Tech:** C#/.NET, Zalo OA API, RabbitMQ, PostgreSQL/EF Core, Docker, Linux, RESTful APIs, WinForms, Blazor Web App, DevExpress.
- **Built an event-driven notification pipeline:** Zabbix → Webhook → RabbitMQ → Zalo OA/Email with durable queues, retry and DLQ to improve reliability and delivery consistency.
- **Designed recurring task reminder service in ERP:** recurrence rules, reminder windows, and a background worker that pushes notifications to Zalo OA.
- **Developed RFID tag data management:** robust ASCII ↔ Hex encoding/decoding for EPC/USER banks, word-alignment validation, and syncing events to ADMS server.

Software Engineer (Intern) - Viet Nhat Solutions

June 2024 – January 2025

- **Tech:** C#/.NET, DevExpress XAF (Blazor Server), EF Core, SQL Server/PostgreSQL, Device SDKs, TCP/IP.
- **Customized manufacturing ERP** on DevExpress XAF: business objects, role-based permissions, CRUD views, validations; implemented custom Controllers (View/Window, PopupWindowShowAction, SimpleAction) and customer-specific rules/workflows.

Projects

Personal Portfolio Website - <https://nice-ocean-0babfec1e.2.azurestaticapps.net>

- This is a single-page portfolio built with Blazor WebAssembly (.NET 8). It is my personal website to introduce myself, my skills, and the projects I have worked on.
- Role: Principal developer.
- Frontend: Blazor WebAssembly, CSS.

ERP Software

- This is a full-stack ERP software built with DevExpress XAF (eXpressApp Framework) on .NET, using Entity Framework Core and a Blazor Server frontend. The system provides secure authentication, role-based access, and a modular architecture to manage products, categories, customers, suppliers, inventory, sales, purchases, and financial transactions. It supports advanced business logic, customizable UI, and detailed reporting, making it suitable for small to medium-sized retail or wholesale businesses.
- Role: Principal developer.

- Frontend: ASP.NET Core Blazor Server, DevExpress XAF.
- Backend: .NET 8, Entity Framework Core, DevExpress XAF, PostgreSQL.

E-Commerce Store

- This is a full-stack e-commerce platform featuring a Spring Boot backend and a ReactJS frontend. The project provides secure authentication using JWT, supports user roles and permissions, and offers comprehensive management for products, orders, customers, suppliers, inventory, and warranty. The system includes advanced reporting and analytics, and leverages modern UI libraries for an optimized user experience.
- Role: Principal developer.
- Frontend: ReactJS, TypeScript, Vite, Tailwind CSS, MUI Material, Ant Design.
- Backend: Spring Boot, Spring Security, JWT, JPA/Hibernate, MySQL.

End-to-end Encrypted Messaging App

- This is a secure real-time chat application featuring a Spring Boot backend and a Java Swing desktop frontend. The project supports encrypted messaging using RSA and AES algorithms, user authentication, and management of conversations and contacts. It provides a modern, responsive UI with custom themes, supports file transfer, and includes features such as password recovery via email OTP and audio call functionality. The system uses MySQL for persistent storage and leverages advanced UI libraries for a smooth user experience.
- Role: Principal developer.
- Frontend: Java Swing, FlatLaf, MigLayout, custom SVG icons, JavaFX (for some UI components).
- Backend: Spring Boot, Spring Data JPA, MySQL, JPA/Hibernate, Jakarta Mail, BCrypt for password hashing, custom RSA/AES encryption modules.

Languages

Vietnamese: Native Language.

English: Intermediate (CEFR B1) – strong reading comprehension of technical documents.