NGUYEN NHAT ANH

Software Engineer

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OBJECTIVE

Seeking a Software Engineer position to apply my foundational skills and dedication to continuous technical growth. I am deeply motivated by the process of learning and adapting, with a particular interest in researching and integrating AI solutions to optimize processing speed and development time. My primary focus is on executing assigned tasks with reliability and excellence, contributing effectively to the team's objectives, and progressively advancing into higher roles and positions in the future, as opportunities arise.

SKILLS

Programing languages:	• C#, Java, JavaScript, TypeScript,
Framework:	• Backend: .NET, Spring Boot, NestJS • Frontend: React.js/Vite, Next.js
Database:	• MySQL, MS SQL, PostgreSQL, MongoDB
Version Control:	• Git, Github, SourceTree
Other:	• Jira, Postman

EDUCATION

FPT University **Sep 2022 - 2026**
Major in Software Engineering.

SOFT SKILLS

- Good communication with group members, presenting views, recognizing and contributing ideas for the project to work better
- Research and ready to change with new technologies

CERTIFICATES

Software Development Lifecycle | Coursera Oct 2024

Certificate URL: click here

Certificate on the job training Sep 2025

Certificate URL: click here

Academic Preparatory English: Level 6 - Summit 2 Nov 2023

Certificate URL: click here

WORK EXPERIENCE

Company: HK Solution **Mar 2025 – Present**

Project: Warehouse & Shipping Management (Legacy System Modernization)

Role: Remote Developer
Description: WMS is an internal web-based Warehouse & Shipping Management System designed to streamline end-to-end warehouse operations for a B2C business. This project focuses on modernizing the legacy architecture by migrating core business logic and batch processing from COBOL to a scalable Java/Spring Boot ecosystem. The modernized system covers 10 functional modules including authentication & RBAC, multi-warehouse inventory tracking, procurement, order lifecycle management, shipment tracking, and returns processing.

Tech Stack: Java/Spring Boot (Back-end), COBOL (Legacy Analysis), Next.js (Front-end), Git, Jira, Figma

Key Contributions:

- Legacy System Migration & Backend Development: Analyzed and reverse-engineered legacy COBOL programs and business rules, successfully redesigning and implementing them into modern Spring Boot RESTful APIs.
- Batch Processing Modernization: Transitioned legacy COBOL batch programs into scheduled, automated Java background jobs to maintain system integrity, enforce business rules, and streamline operational workflows.
- Full-stack Integration: Supported the integration between the modernized Java back-end and the Next.js front-end, ensuring seamless data flow and a modernized user experience.
- Code Quality & Standards: Established coding conventions and architecture patterns for the new system, conducted code reviews, and optimized database queries to ensure scalability and performance improvements over the legacy system.
- Technical Documentation: Authored and maintained comprehensive migration documentation, including COBOL-to-Java feature mapping, updated ERDs, system boundary diagrams, batch job specifications, and API design templates.

WORK EXPERIENCE

Company: HK Solution **Nov 2025 – Feb 2026**

Project: MFW

Role: Remote Developer
Client: 7 MOUNTAIN FOODS CO., LTD
Description: MFW is a B2C e-commerce web platform for 7 Mountain Foods — a company specializing in imported frozen and fresh meat products (Beef, Lamb, Pork, Cured Hams) supplied to restaurants, hotels, wholesalers, and retailers across Vietnam. The platform allows users to browse product catalogs by category, view detailed product information including origin and brand, and submit inquiries or orders via an intuitive interface. The system also includes an admin panel for managing products, categories, inventory listings, and content such as blog posts and promotional banners.

Tech Stack: Next.js (Front-end), .NET (Back-end), Git (Version Control)

Key Contributions:

- Full-stack Development: Designed and implemented core features across the front-end (Next.js) and back-end (.NET API), covering product catalog browsing, category filtering, product detail pages, and admin content management.
- Code Quality & Standards: Established coding conventions, conducted regular code reviews, and optimized rendering and API performance to ensure scalability and long-term maintainability.
- Version Control & Collaboration: Managed Git repositories, resolved merge conflicts, and maintained a clean, efficient branching workflow throughout the development lifecycle.

WORK EXPERIENCE

Company: Rikkeisoft (Ho Chi Minh City) **May 2025 – Sep 2025**

Project: Movie Ticket Booking

Role: Full-stack Developer

Team Size: 4 members (2 Front-end, 1 Back-end, 1 Full-stack)

Description: Movie Ticket Booking System is an online cinema platform that lets users browse films, view showtimes, select seats from an interactive map, and complete secure online payments via VNPay. The system supports user accounts, booking management and history, email/SMS confirmations, and an admin panel for managing movies, schedules, screens and reporting.

Tech Stack: ReactJS (Front-end), Spring Boot (Back-end), Git (Version Control), Azure CLI

Key Contributions:

- Full-stack Development: Designed and implemented core features on both the front-end (ReactJS) and back-end (Spring Boot) to ensure the system's main functionalities.
- Code Quality & Standards: Established coding standards, conducted regular code reviews, and optimized performance to ensure scalability and maintainability.
- Version Control & Collaboration: Managed Git repositories, resolved complex merge conflicts, and maintained an organized and efficient development workflow.
- Deployment & Environment: Utilized Azure CLI to manage resources and deploy applications to the cloud environment, ensuring consistency and operational flexibility.
- Documentation: Authored and maintained the Software Requirements Specification (SRS) documentation.

PERSIONAL PROJECT

Project: Medix - Comprehensive Healthcare Appointment Platform
Description: A full-stack healthcare appointment scheduling and clinic management platform featuring multi-role workflows, secure payment integration, and a multilingual user interface.
BE: *https://github.com/anhnnse69/ms-backend-api.git*
FE: *https://github.com/anhnnse69/ms-frontend.git*
Finished and ending date: *1/2026 - 3/2026*
Member: 5 members
Key Features:

- Multi-Role Workflows: Distinct, secure dashboards and access controls for Admins, Facility Managers, Doctors, and Patients.
- Smart Scheduling: Advanced appointment booking system with real-time doctor availability tracking and automated status updates.
- Online Payment Integration: Integrated MoMo e-wallet for secure and automated processing of appointment fees.
- Medical Record Management: Digital workflow allowing doctors to securely create, update, and track patient medical histories after consultations.

Technologies Used:

- **Front-end:** Next.js (App Router), React, TypeScript.
- **Back-end:** ASP.NET Core Web API, Domain-Driven Design / Clean Architecture principles.
- **ORM / Database:** Entity Framework Core.
- **Libraries & Tools:** JWT Authentication, MoMo Payment API, AutoMapper.
- **Infrastructure / DevOps:** Docker, Docker Compose.

Responsibilities:

- Architected and developed the complete backend system using .NET and Clean Architecture, applying the Repository pattern to ensure robust, decoupled, and maintainable code.

PERSIONAL PROJECT

Project: ASP.NET Core Microservices E-Commerce Platform
Description: A scalable backend system built with a microservices architecture, featuring independent distributed services, API Gateway routing, background task processing, and containerized deployment.
Github: *https://github.com/anhnnse69/microservice-aspnetcore.git*
Finished and ending date: *12/2025 - n*ow
Member: 1 members
Key Features:

- Distributed microservices architecture with decoupled APIs for Product, Basket, Ordering, Customer, and Inventory management.
- Centralized API routing and reverse proxy implementation using Ocelot API Gateway.
- Asynchronous background task processing and scheduling using Hangfire.
- System health monitoring dashboard (WebHealthStatus) to track the operational status of all microservices.

Technologies Used:

- **Back-end:** ASP.NET Core 8.0 Web API, Microservices architecture.
- **API Gateway:** Ocelot.
- **ORM / Database:** Entity Framework Core.
- **Libraries & Tools:** AutoMapper, Serilog (structured logging), Hangfire.
- **Infrastructure / DevOps:** Docker, Docker Compose.

Responsibilities:

- Architected and developed the backend system using .NET 8 and microservices design patterns as a solo developer.
- Built and integrated multiple independent RESTful APIs (Product.API, Basket.API, Customer.API, Ordering.API).
- Configured Ocelot API Gateway to unify, route, and manage incoming client requests to appropriate downstream services.

PERSIONAL PROJECT

Project: Kivi - Multilingual Travel & Tourism Discovery Platform
Description: A full-stack travel directory platform featuring interactive listings for homestays, food, and transportation, a freemium subscription model, secure PayPal payment integration, and a multilingual user interface.
Live Site: *https://kivi-frontend-two.vercel.app*
Finished and ending date: *12/2025 - 3/2026*
Member: 1 members
Key Features:

- Multilingual Directory: Dynamic content translation supporting Vietnamese, English, and Korean for locations, homestays, food, and transportation.
- Freemium & Role-Based Access: Role-based access control differentiating Free, Premium, and Admin users. Premium users unlock exclusive content, detailed views, and the ability to leave feedback and ratings.
- Online Payment Integration: Integrated PayPal provider for secure and automated processing of Premium subscription upgrades and plan management.

Technologies Used:

- **Front-end:** React, TypeScript, Vite, Tailwind CSS, Zustand (State Management), React Query, i18next (Multi-language).
- **Back-end:** NestJS, Node.js.
- **ORM / Database:** Prisma ORM, PostgreSQL.
- **Libraries & Tools:** JWT Authentication (Passport), Swagger UI, PayPal API, React Hook Form, Zod.

Responsibilities:

- Architected and developed the complete backend system using NestJS and Prisma ORM.
- Designed a robust relational database schema to support dynamic multilingual content, a freemium subscription workflow, and secure PayPal payment integrations.