# Nguyễn Tiến Đạt

**Backend Developer** 



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## **ABOUT ME**

I am a backend developer specializing in designing secure and efficient systems using languages like C#, and databases like SQL Server. Passionate about problem-solving and learning new technologies, I always aim for optimal and sustainable solutions.

## **SKILLS**

.NET, SQL, PROBLEM SOLVING, ABILITY TO LEARN

## **EDUCATION**

BACHELOR

09-2019 - 09-2024

**FPT University** 

Software Engineer

Master

07-2025 - 07-2027

PTIT University

Information System (IS)

## **WORK EXPERIENCE**

#### VNR Sofware

1/2024 - Now

**Back-End Developer** 

## Overview

- Developed and deployed an ERP application using .NET 9 and Angular, implementing CQRS architecture and modern DevOps practices. Integrated Redis, RabbitMQ and SignalR to enable realtime communication, distributed messaging and secure multidevice authentication.
- Optimized system performance with LINQ, stored procedures and background jobs using Quartz. Integrated AWS S3 for file storage and deployed the application on both Windows (IIS) and Ubuntu (Docker, Docker Compose), ensuring high availability and scalability.

#### 1. ERP System — V2 (Enterprise Resource Planning)

- Description: Contributed to the development and maintenance of an enterprise-level ERP system designed to manage finance, inventory, supply chain and HR modules across multiple departments. The project focused on modernizing the existing system by applying CQRS, improving deployment strategy, and adding real-time communication and distributed processing components.
- Tech Stack: .NET 9, PostgreSQL, Angular, Redis, RabbitMQ, SignalR, AWS S3, Docker/Docker Compose, Quartz.
- · Achievements:
- + Designed and implemented Redis-based authentication to manage access tokens and prevent unauthorized logins across multiple devices.
- + Integrated RabbitMQ and SignalR to process background jobs and push real-time notifications to users.
- + Used Quartz to schedule and execute background tasks (periodic jobs and data synchronization).
- + Improved performance by applying LINQ for data manipulation and stored procedures for complex queries in PostgreSQL.
- + Implemented and configured AWS S3 to securely store and manage user files.
- + Deployed the system on IIS (Windows) and Docker/Docker Compose (Ubuntu), enabling flexible and consistent environments across staging and production.

#### **HOP LONG TECH**

08/2022 - 12/2023

**Fullstack Developer** 

## Overview

 Experienced in developing scalable enterprise systems using .NET and modern architectural patterns. Successfully delivered ERP and integration solutions with a strong focus on performance, maintainability, and clean architecture.

## 1. ERP System

Description: Led the development and maintenance of a full-scale ERP application covering key business modules such as
Finance, Supply Chain, Inventory, HR, and CRM. The project was
developed following the MVC architectural model, with a strong
focus on scalability, maintainability, and performance.

## **FUTURE GOALS**

- IELTS 6.5 7.0
- Fullstack developer

- Tech Stack: .NET, SQL Server, AngularJS.
- · Achievements:
- + Utilized Dapper and LINQ for efficient data access and manipulation, optimizing database queries  $\rightarrow$  reduced response time and improved throughput.
- + Designed and developed configurable reporting features tailored to multiple departments.
- + Built responsive and user-friendly frontend modules with AngularJS, ensuring smooth interaction and real-time updates across ERP modules.
- + Ensured high system stability and reliability during daily operational use by applying clean architecture principles and performance tuning.

## 2. System connect with Ecomerce platform

- Description: Built from scratch a middleware service to integrate
   TikTok platform APIs and synchronize data with the ERP system.
   The solution was designed based on my base architecture and
   implemented using a Three-Layer Architecture (Presentation,
   Business Logic, Data Access) to ensure extensibility,
   maintainability, and scalability for future e-commerce platforms.
- · Tech Stack: .NET, SQL Server
- · Achievements:
- + Built a bi-directional API integration with TikTok, leveraging webhook support for real-time synchronization of orders, inventory, and customer data.
- + Automated ETL workflows to ensure accurate and timely ingestion of marketing and sales data across multiple platforms.
- + Developed a Facebook Ads data pipeline, extracting and transforming campaign insights, ad performance reports, revenue, and cost metrics for consolidated ERP reporting.
- + Implemented a Facebook Ads data pipeline to extract, transform, and load campaign performance metrics into the ERP system.

## PERSONAL PROJECT

## **E-Commerce Project**

https://github.com/NTDno1/BaseProject.

- · Tech Stack:
- + Core, Data: .NET 9, C# 13, ASP.NET Core, EF Core, PostgreSQL.
- + Patterns: Clean Architecture, CQRS.
- + Utilities: FluentValidation, AutoMapper, Serilog.
  - Description: This is a robust e-commerce platform built with .NET 9, utilizing ASP.NET Core, Entity Framework Core, and MediatR. It follows Clean Architecture and CQRS design patterns for scalability and maintainability. Key features include secure user authentication with JWT, comprehensive product management, and robust validation with FluentValidation. The project use PostgreSQL for data storage, integrates extensive logging and error handling, and supports unit and integration testing for reliability. It is designed to handle high-traffic environments with a strong focus on security and performance optimization.