



VƯƠNG TẤN NHẠC

SENIOR DEVELOPER

Senior .NET Engineer with 8+ years of experience in building **high-performance enterprise systems** using C#, .NET, SQL Server, and WPF (MVVM). Currently working on a large-scale **ERP system (200+ screens)**, developing modular desktop applications with **custom WPF controls** and scalable backend APIs based on **Clean Architecture (Onion Architecture)**.

Strong expertise in **Entity Framework Core, LINQ optimization, and SQL performance tuning**, with hands-on experience handling **large datasets (100k+ records)**. Proven ability in **API development, reporting (ComponentOne), and system integration** including OAuth2, Dropbox, Email, and IoT (MQTT). Focused on delivering **maintainable, scalable, and high-quality solutions**.

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SKILL

Core Technologies:

C# (8 years)

WPF (8 years)

WPF (7 years)

.NET Core (6 years)

ASP.NET Core (5 years)

Architecture & Patterns:

Clean Architecture (5 years)

MVVM (5 years)

Onion Architecture (3 years)

Database:

Microsoft SQL Server (7 years)

EF Core (5 years)

Query Optimization (3 years)

Integration:

MQTT (4 years)

REST API (4 years)

OAuth2 (1 year)

Tools:

Git (6 years)

ComponentOne (2 years)

Generative AI Tools (2 years)

WORK EXPERIENCE

Senior .NET Developer

08/2025 - Now

AEGONA

- Developed and maintained a large-scale enterprise ERP system (200+ screens) using modular architecture
- Built WPF applications following MVVM pattern with reusable custom controls
- Designed scalable backend APIs using Clean Architecture (Onion Architecture)
- Implemented enterprise reporting solutions using ComponentOne (C1)
- Improved UI consistency and development efficiency through shared component libraries

PROJECT:

Enterprise ERP System | 09/2025 – Present

Description:

Developing a large-scale ERP system with **200+ modules/screens**, focusing on scalability, maintainability, and enterprise reporting.

Role:

Senior .NET Developer

Responsibilities:

- Developed **WPF applications using MVVM pattern** with reusable custom control libraries
- Designed backend APIs using **Clean Architecture (Onion Architecture)**
- Implemented enterprise reporting using **ComponentOne (C1)**
- Structured system into **modular sub-projects**, improving maintainability and scalability
- Built shared UI components to ensure consistency across 100+ screens

Tech stack:

C#, WPF (MVVM), ASP.NET Core, Clean Architecture, EF Core, SQL Server, ComponentOne

Team size:

5 members

EDUCATION

Sai Gon Technology University

Bachelor - Information Technology

10/2012 - 10/2018

LANGUAGE

English (Intermediate)

Senior Developer

12/2018 - 07/2025

SPERANZA INC., HO CHI MINH

- Custom IoT solutions enable the companies to create connected environment, to capture & analyze data generated by sensors on such physical objects. Our expertise IoT solutions provider team is capable to provide flexible IoT app development solutions upon industries & client's need. We have successfully delivered such projects on Smart Logistics, ecommerce, Smart locker, Smart lock, Vending machine, CCTV & other IoT industries.
- In a key role, I have carried out more than 50 regular and major projects here.

PROJECT:

Smart Delivery Locker System | 01/2018 – 05/2025

Description:

Developed an IoT-based smart locker system for last-mile delivery, enabling real-time package tracking, automated notifications, and centralized monitoring across multiple stations.

Role:

Fullstack Developer (WPF + .NET)

Responsibilities:

- Developed a **WPF desktop application (MVVM)** to control and monitor smart locker devices
- Designed and implemented **real-time communication using MQTT** for sensor data streaming
- Integrated **RESTful APIs** with third-party delivery platforms for order synchronization
- Built **real-time validation logic** (door status, item detection) for delivery workflows
- Implemented **SMS & Email notification system** for end-users upon successful delivery
- Optimized system stability to run continuously for **10+ days without interruption**
- Designed API services to handle communication between IoT devices and application systems
- Processed high-volume messages (50,000+ events) efficiently

Tech stack:

C#, WPF (MVVM), MQTT, ASP.NET Core, SQL Server, Entity Framework Core, REST API

Team size:

5 members

Junior Developer

01/2016 - 11/2018

GIA MINH SOFTWARE SOLUTION, HO CHI MINH

- Contributed to the successful completion of two projects using the Expert ERP framework.
- Gained hands-on experience in software development and team collaboration.