



Vo Thuong Truong Nhon

.NET Backend Engineer

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Backend Engineer with 4 years of experience building systems for logistics and AI platforms. Strong experience in **C#** and **AWS**. Passionate about system design, mentorship, and leveraging **GenAI & LLM workflows** to automate manual work.

WORK EXPERIENCE

FPT Software

Sep 2023 – Present

Ho Chi Minh City, Vietnam

LMS.Robusta team under the C99 Program, serving a \$100M+ US logistics enterprise.

Middle Level: .NET Backend Engineer

2025 – Present

Superchat - Slack App C#, .NET Core, AWS Bedrock, Slack API Kit, Internal MCP (cai-mcp)

An AI-powered Slack application integrating AWS Bedrock with internal MCP servers to automate daily engineering workflows and developer operations.

- Architected an AI-powered Slack application connecting internal MCP servers (**cai-mcp**) with **AWS Bedrock** for developer workflow automation, log queries, and instant incident triage.
- Implemented an autonomous agentic loop to process user prompts in Slack, dynamically orchestrating and chaining internal MCP tools to fetch context and stream real-time AI responses.
- Engineered custom Slack slash commands for recurring workflow automation, including automated vehicle list email notifications, real-time Rally user story status scanning, and daily standup report generation.

Robusta Knowledge Base C#, .NET Core, AWS Bedrock, pgvector (PostgreSQL), Slack API Kit

An AI-powered Knowledge Base and Slack bot leveraging Retrieval-Augmented Generation (RAG) to ingest team wikis, GitHub documentation, and Rally User Stories/Features into a vector database for context-aware natural language queries.

- Engineered data ingestion pipelines with Rally and GitHub APIs to continuously chunk, embed, and index User Stories, Features, and wiki files into **pgvector (PostgreSQL Vector)**, formatting AI responses with code snippets and direct record citations.
- Optimized the **RAG** retrieval pipeline by combining conversational chat history with vector similarity search, enhancing LLM context retrieval and response precision.
- Architected standardized metadata schemas and embedding storage in **pgvector**, enabling sub-second semantic search and high-fidelity RAG augmentation for the LLM.

Consumer API C#, .NET Core, Hangfire, AWS (SNS/SQS, DynamoDB), Redis

An event-driven microservice orchestrating multi-event workflows (order status updates, vehicle shipment scheduling, carrier bookings) and publishing real-time notifications across downstream services.

- Refactored job processing using the Handler Pattern to decompose complex workflows into granular sub-jobs with Dead-Letter Queue (**DLQ**) failure routing, processing **50k+ daily events**, reducing process failures by **15%**, and configuring **New Relic** dashboards to monitor job latency.
- Applied the **sidecar pattern** to decouple REST API request ingestion from asynchronous background worker execution, routing events to internal queues (**AWS SNS/SQS**) for notification broadcasting.
- Contributed to early-stage architecture research and database schema design, clarifying complex shipment scheduling logic based on carrier operating windows, timezone offsets, and daylight saving transitions while publishing order status events.

Junior Level: .NET Backend Engineer

Sep 2023 – Dec 2024

Quotes API C#, .NET Core, AWS (ECS, Aurora PostgreSQL, Valkey)

A quoting service generating vehicle shipping costs across US retail and carrier channels, supporting dynamic calculations based on vehicle type, order type, distance.

- **Engineered and scaled** a high-performance REST API handling **200k+ daily requests**, expanding business capabilities to support multi-vehicle orders, B2B/B2C routing, and expedited quote types.
- Designed and implemented a distributed caching strategy (**AWS Valkey**), reducing database load by **40%** and cutting p95 latency from 500ms to **95ms**.
- Proposed and executed migration to **Google Routes API** for distance calculations, onboarded service to internal Identity Provider (**CIP**), and configured **GitHub Dependabot** security scanning.
- Built unit and integration testing suites using **xUnit** and **WireMock** to mock external services, maintaining **>90% line coverage** and validating business logic prior to QA handoffs.

Hub Service C#, .NET Core, Hangfire, AWS (SNS/SQS, Aurora PostgreSQL), Google Routes API

A geographic routing service managing ZIP code and transport hub data, integrating with Quotes API to direct orders to the nearest hub and filter unsupported transport zones.

- Engineered nearest-hub routing calculations combining the Haversine formula and **Google Routes API**, executing monthly distance recalculations via **Hangfire** background jobs and CRUD triggers to optimize downstream quote pricing accuracy.
- Automated ZIP code data synchronization via external APIs (**ZipCode.com / F-TPP**), filtering out non-serviceable zones (military bases and island territories) to eliminate invalid transport quotes.
- Refactored legacy architecture to adopt the **sidecar pattern**, deploying API and background workers together while consolidating unit tests to achieve **>90% code coverage**.

Ready Proxy C#, .NET Minimal APIs, PostgreSQL, Splunk, CIP

A proxy gateway forwarding transit order lifecycle events (creation, status tracking, cancellation) to background job workers and persisting order records for analytical reporting.

- Maintained lightweight **.NET Minimal APIs** to forward transit order lifecycle events (creation, status queries, cancellation) to background job workers, persisting order records in PostgreSQL for audit analytics.
- Onboarded the service to the internal **CIP** identity platform and implemented custom partner order prefix routing rules to support business partner integration requirements.
- Expanded unit testing suites with **xUnit** to increase code coverage to **90%**.

TECHNICAL SKILLS

- **Programming Languages:** C#, Python, TypeScript
- **Frameworks & Libraries:** .NET Core, ASP.NET MVC, React, Next.js
- **Cloud & DevOps:** AWS (ECS, SNS, SQS, DynamoDB, Bedrock, CodeBuild), Docker, GitHub Actions, Hangfire, Redis
- **Databases:** PostgreSQL, MS SQL, MongoDB, DynamoDB
- **AI & Agentic Workflows:** GitHub Copilot, Claude Code, Antigravity
- **Spoken Languages:** English (Professional / Fluent)

EDUCATION

Ho Chi Minh City University of Technology and Education (HUTECH)

Bachelor of Software Engineering

Ho Chi Minh City, Vietnam

Sep 2024

GPA: 3.76 / 4.00 (Top 1% Scholarship)

KEY PROJECTS

- **InventoryManagementSystem (InventoryAlert)** Dec 2025 – Feb 2026
Event-driven stock alert and inventory monitoring platform leveraging .NET 10 Clean Architecture, sidecar design patterns, and background price/news sync for USA market. Managed stock watchlists and background Finnhub.io market data sync via AWS SQS and Hangfire. Optimized API read path latency (**p95 < 75ms**) using Redis Cache-Aside.
Live Demo: <https://inventory-management-system-ashen-eta.vercel.app>
- **Personal Finance Management App (Finance Command Center)** 2023 – Present
Cross-platform personal finance management ecosystem (web & mobile) featuring financial health metrics, automated transaction rules, saving/investment tracking, and Excel sync. Powered by React 19 (Vite), Expo SDK 56 (React Native + SQLite), Express.js API, .NET 9

Clean Architecture backend migration, Python BM25+ search, and Gemini AI agentic workflows.

Live Demo: <https://finance-dashboard-ui-ly1v.onrender.com>

- **Clean Architecture .NET 8.0 Web API Template**

Dec 2025 – May 2026

Book Store domain using Clean Architecture, packaged as a reusable .NET CLI template ('dotnet new' / 'dotnet pack') with **100+ GitHub stars**. Configured automated **k6 load-testing** scenarios.

KEY CERTIFICATIONS

GitHub – GH300 GitHub Copilot – Professional AI-assisted software development and workflow acceleration	<i>2026</i>
Udacity – AWS Cloud Architecture Nanodegree – Highly available, resilient systems architecture and disaster recovery strategies on AWS	<i>2024</i>
Katalon – Certification Program (Expert Level) – Built automated test pipelines, test orchestration, and CI/CD integration	<i>2024</i>
MongoDB – Certified Associate Developer – Database design, querying, aggregation framework, and performance optimization	<i>2023</i>
Udacity – Cloud Developer Nanodegree – Microservices, CI/CD pipelines, and serverless architecture	<i>2023</i>
English Language Proficiency Certificate - B1 – Professional English communication and working proficiency	<i>2022</i>

KEY ACHIEVEMENTS

Speckathon 2026 (Top 1 Spec Game) – Top 1 Hackathon build game by spec with Claude Code (FPT Software)	<i>2026</i>
Top Employee Award – Best performance of the quarter and multiple months across division projects	<i>2025</i>
First Prize – HDBank Hackathon Competition – Won 1st place in national banking technology hackathon	<i>2022</i>
First Prize – IT Got Talent Contest – Awarded 1st place in university-wide IT talent competition	<i>2022</i>
Top 1 GPA – K20 HUTECH Talent Scholarship – Highest GPA achievement for K20 software engineering intake	<i>2022</i>
Second Prize – Code Your Future Competition 2023 – Achieved 2nd Prize in Code Your Future 2023 (Logistics track)	<i>2023</i>
Student of 5 Merits Award – Recognized at School and Faculty levels across 2021, 2022, and 2023	<i>2021–2023</i>