



NGUYEN HOAI NAM

Full-stack Software Engineer

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📍 Can Tho

About Me

Full-stack Software Engineer with experience building and delivering enterprise applications from backend services to modern web frontends. Passionate about **designing scalable systems, solving complex business problems,** and delivering maintainable software throughout the entire product lifecycle. Beyond writing code, I enjoy understanding product requirements, improving engineering processes, **collaborating across teams,** and making technical decisions that balance business value with long-term maintainability.

I continuously invest in software architecture, system design, and leadership skills with the goal of **growing into a technical leadership role** and helping engineering teams build high-quality products.

Techstack

- Java Core, Spring Boot, Quarkus
- .NET, EF Core, Blazor
- MS SQL Server, PostgreSQL
- DevOps (Docker, nginx)
- ReactJS, Tailwind CSS
- Golang, Wails (desktop app)

Reward

Dec 2025 | Trung Son Alpha

OUTSTANDING PERFORMANCE

Hobbies

- Guitar
- Sport

Experiences

Zentro - SQL IDE

Founded and developed

03 - 2026

A developer **productivity platform** that reimagines how engineering teams interact with databases. Defined the product vision, system architecture, and user experience to create a unified workspace for **database operations, extensible** through plugins and designed to evolve with different database ecosystems. Led the product from concept to implementation, balancing technical architecture with product strategy to deliver a scalable foundation for future capabilities.

Product Website: zentro-ide.com

Budget Control

Trung Son Alpha

2024 - 2026

Developed and maintained an enterprise budget management platform used to **control departmental spending** and **approval workflows** across the organization. The system supports **budget planning** and **tracking** by Cost Center, Sub Account, and accounting period, while managing business processes such as Payment Requests, Invoices, Advance Settlements, and CapEx. It provides real-time budget validation, over-budget alerts before approval, reporting dashboards, master data management, and integrated approval and authentication workflows.

Tech Stack: .NET 8, ASP.NET Core Web API, Blazor WebAssembly, Entity Framework Core, SQL Server, SignalR, OData, ASP.NET Identity, JWT, Ant Design Blazor.

Order Management System

Trung Son Alpha

2024 - 2026

Contributed to the development of an internal Order Management System (OMS) for a pharmaceutical enterprise, designed to digitalize procurement and order management workflows. Developed and maintained for **Purchase Orders, Store Orders, inventory management, supplier** and **purchase price management, promotion/back margin/front margin programs,** multi-level approval workflows, and operational reporting. The system also supports role-based access control (RBAC), multi-tenancy, HRM integration, document locking for concurrent editing, dashboards, and Excel/PDF import-export capabilities.

Tech Stack: .NET 8, ASP.NET Core, Blazor Server, Entity Framework Core, SQL Server, MudBlazor, SignalR, Dapper, Quartz.NET, Serilog, ClosedXML, QuestPDF.



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Payment Gateway

Trung Son Alpha

2024 - 2026

Contributed to the development of an enterprise Payment Gateway platform that standardizes payment processing across multiple payment providers. Implemented features for transaction creation, callback/IPN handling, payment status tracking, merchant management, API credential management, transaction reporting, and administrative operations. Integrated multiple payment providers, including **VNPay, MoMo, Payoo, VNPT ePay,** and **Techcombank SmartPOS,** enabling a unified payment workflow for enterprise applications.

Tech Stack: .NET 8, ASP.NET Core Web API, Blazor Server, Entity Framework Core, SQL Server, JWT Authentication, Serilog, Swagger, Docker, Clean Architecture.

Point of Sale (POS) System

Trung Son Alpha

2025 - 2026

Developed a cross-platform Point of Sale (POS) system designed for **retail businesses,** supporting **sales transactions,** product and **inventory management,** customer management, pricing, and sales reporting. Contributed to building a scalable **microservices architecture,** implementing business services, RESTful APIs, and data persistence while ensuring high performance and maintainability. Developed a desktop application using Tauri for cross-platform deployment, enabling a lightweight and native user experience across Windows, macOS, and Linux.

Tech Stack: Java, Quarkus, Microservices, Hibernate ORM with Panache, REStEasy, PostgreSQL, Tauri, TypeScript, Docker.

Product Scanner

Trung Son Alpha

02-2025

Developed an internal warehouse inventory application to **streamline SKU scanning** and **stock counting processes.** Implemented inventory verification and reconciliation workflows, barcode-based product identification, and real-time inventory updates to support accurate warehouse operations and reduce manual counting errors. Collaborated with business stakeholders to deliver a reliable solution that improved inventory visibility and operational efficiency.

Tech Stack: .NET, ASP.NET Core, Blazor, Entity Framework Core.

Education

FPT Polytechnic Can Tho

Can Tho

2021 - 2024

Major: Software Development