

Nguyễn Minh Duy

Senior Full Stack Developer

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OBJECTIVE

Senior Full Stack Developer with 6+ years of experience building and maintaining web applications using .NET and Angular. Experienced in supporting existing systems, leading modernization projects, working with microservices-based systems, and handling API integrations. Focused on scalable architecture, maintainable code, and practical performance improvements. Looking for opportunities to build reliable full-stack features and contribute to modern product development.

EDUCATION

VNUHCM – University of Science

SEP 2015 - DEC 2020

Bachelor of Information Technology

- Major: Software Technology

- GPA: 7.1

SKILLS

Backend C#, .NET / .NET Core, ASP.NET Core / MVC, RESTful APIs, Entity Framework Core, LINQ, Dapper

Frontend Angular, TypeScript

Architecture Microservices, DDD, CQRS, Clean Architecture, SOLID Principles

Cloud & DevOps Docker, Kubernetes (K3s), RabbitMQ, API Gateway (Ocelot, YARP), GIT, CI/CD Pipelines

Databases SQL Server, PostgreSQL, MySQL

WORK EXPERIENCE

FE CREDIT

SEP 2024 - PRESENT

Senior Software Development Specialist

- Led the development of the Operation Controlling Hub (OCH) using C#, .NET 6, Ocelot, and MySQL to support financial operations.
- Analyzed requirements and broke down technical tasks for 4 major BRDs and nearly 10 CRPs, while supporting system development and monitoring on AWS ECS.
- Automated premium refunds and loan processing for insurance module by replacing manual Excel tasks with a high-performance batch processing system.
- Centralized dealer workflows by building management features to sync data and case numbers between FE and its sales partners.
- Implemented an automated email notification system for treasury module to handle customer onboarding, contract creation, and interest calculations.
- Expanded the MRC return flow in the document tool module, enabling sales teams to create and manage return requests for loan documents after customers completed installment payments.
- Developed reporting for trip booking module to track travel costs and usage analytics across different business units.
- Built a user module to simplify user provisioning and access management for multiple departments.
- Handled change requests (CRPs) to add new features, update existing ones, and optimize system performance, successfully cutting down large dataset upload times from 15 seconds to under 5 seconds.
- Refactored business workflows and provided technical support (SDBO) to resolve production incidents and system access issues.

UNIT TECHNOLOGY CORPORATION

MAR 2022 - AUG 2024

Mid-Level Full Stack Developer

- Delivered software solutions for enterprise clients (banking, finance, healthcare) and built internal products using .NET, Angular, and SQL Server.
- **Sacombank**: Migrated a legacy system to the ABP Framework to reduce architectural complexity. Developed real-time features for shareholders using Angular, SignalR, and RESTful APIs.
- **VietCredit**: Integrated eKYC services to secure identity verification workflows and implemented reCAPTCHA protection for public-facing systems.
- **Gene Solutions**: Built ASP.NET APIs and internal tools to manage medical sample and clinical data.
- **5PM Management (Internal)**: Developed HR modules and optimized backend workflows for the company's internal operations.

DICENTRAL VIETNAM

JUNE 2021 - FEB 2022

Junior Software Developer

- Developed and maintained 6+ .NET applications (C#, ASP.NET, WCF, and SQL Server) within an Agile/Scrum team.
- Built both backend and frontend features to enhance internal business applications.

AUREOLE INFORMATION TECHNOLOGY

APR 2019 - FEB 2021

Software Developer

- Developed Java and .NET applications, focusing on adding new features, fixing bugs, and supporting client systems.
- Worked with BAs and QAs to clarify requirements, implement features, and support production releases in Agile environment.

IVC - ISB VIETNAM

JAN 2019 - MAR 2019

Software Developer Intern

- Assisted in feature development and bug fixing for an embedded medical software project using C/C++.

PROJECTS

LifeHub Microservices (Live: duynm.dev)

DEC 2025 - PRESENT

Personal Project / Full Stack Developer

A distributed personal management system built on a microservices architecture to manage identity, personal finance, blogging, portfolio, and notifications.

- Built backend microservices with .NET 9 and YARP API Gateway for centralized routing.
- Implemented SQL Server for identity management, PostgreSQL for core business services, and Redis for data caching.
- Integrated inter-service communication using MassTransit with RabbitMQ (asynchronous), gRPC (synchronous), and Hangfire for scheduled notifications.
- Developed user interfaces, including an ASP.NET Core web portal and an Angular-based admin dashboard.
- Managed media assets by integrating Cloudflare R2 object storage.
- Designed CI/CD pipelines with GitHub Actions, utilizing path-filters for selective builds to optimize execution time.
- Containerized services using Docker and automated image publishing to GitHub Container Registry (GHCR).
- Deployed and managed a K3s Kubernetes cluster on a DigitalOcean droplet.
- Configured Traefik Ingress as a reverse proxy with automated Let's Encrypt SSL, and managed DNS routing via Cloudflare.

Technologies: .NET 9, Angular, YARP, Hangfire, Kubernetes (K3s), Docker, GitHub Actions, GHCR, Cloudflare.
