



Trần Đình Khoa

Backend Engineer

Backend-focused Software Engineer with 6+ years of experience building enterprise applications with C#/.NET. Experienced in REST APIs, system integrations, asynchronous processing, and background jobs using Kafka, RabbitMQ, Redis, and MongoDB. Built and maintained backend workflows for bulk processing and message delivery to 10,000+ recipients per send, with a focus on performance, reliability, and maintainable code.



Work Experience



01/2024 - 08/2026

Seedcom

Full-stack Developer (Haraworks Product: <https://like.haraworks.vn>)

Key Responsibilities:

- Drove backend development and system design for scalable, high-availability enterprise applications handling high-volume workloads.
- Designed and implemented services within a microservice architecture, including REST APIs, internal/external integrations, and asynchronous workflows using Kafka and RabbitMQ.
- Improved system performance and operational reliability through Redis caching, background processing, containerization, and monitoring.



06/2020 - 12/2023

Haravan

Full-stack Developer (Haraworks Product: <https://like.haraworks.vn>)

Key Responsibilities:

- Developed and maintained RESTful APIs, backend services, and web application features.
- Analyzed requirements and designed system workflows and technical solutions.
- Improved system performance, reliability, and maintainability.
- Collaborated with cross-functional teams and integrated internal and external services.

Projects



01/2024 - 08/2026

Business Process Management

Full-stack Developer

- Project Description:
A workflow automation platform that digitizes operational processes, reduces paperwork, and centralizes workflow management.
- Product: <https://like.haraworks.vn/pages/van-hanh-thong-minh>
- Team size: 6-7
- Responsibilities:
 - Develop and maintain full-stack features for configurable forms and workflow management.
 - Design complex workflows involving multi-step and parallel approvals, conditional routing, permissions, SLA tracking, rollback, and retry handling.

2023 - 2025 Customer Ticket System	• Build integrations with internal services and external APIs, supporting data mapping, asynchronous responses, error tracking, and retries. • Develop Kafka-based workers for bulk operations, Excel processing, data exports, notifications, and scheduled jobs. • Design asynchronous processing workflows using message queues to improve scalability and decouple system components. • Technologies: .NET Core, Kafka, Redis, React, MongoDB. Full-stack Developer • Project Description: A customer service ticketing platform for managing, tracking, and reporting customer requests. • Product: https://like.haraworks.vn/pages/cham-soc-khach-hang • Team size: 4-5 • Responsibilities: • Developed and maintained backend features for the TFExTicket customer service module. • Optimized large-scale Excel exports, significantly reducing processing time through MongoDB batch processing, preloaded reference data, and dictionary-based lookups. • Maintained asynchronous export workflows using Kafka workers, including file generation, upload, and real-time completion notifications. • Technologies: .NET Core, Kafka, RabbitMQ, Redis, React, MongoDB.
2020 - 2024 Internal Mail, Announcements & Forum	Full-stack Developer • Project Description: An internal communication platform for company-wide mail, announcements, forum discussions, and real-time notifications. • Product: https://like.haraworks.vn/pages/giao-tiep-noi-bo • Team size: 4-5 • Responsibilities: • Developed and optimized full-stack features for Internal Mail, Announcements, Notifications, and Forum, covering mail merge, audience targeting, advanced filtering, scheduling, access control, external email integration, and engagement tracking. • Developed Kafka-based asynchronous workflows for recipient processing, mail indexing, bulk message delivery, and background jobs, supporting more than 10,000 recipients per send. • Integrated RabbitMQ/MassTransit and SignalR for cross-module and real-time notifications; used Redis for distributed caching and SignalR scale-out. • Optimized MongoDB queries and mail-indexing flows for message lists, unread counters, recipient statistics, and search filters. • Technologies: .NET Core, Kafka, RabbitMQ, React, MongoDB, SignalR.

Education

University of Science

Major: Software Engineering

Oct 2015 - Oct 2019

GPA: 3.24/4

Skills

Technical skills:

- Databases & Caching: MySQL, MongoDB, Supabase, Redis
- Programming Languages & Frameworks: C#, .NET 6/8 (.NET Core), React, Node.js
- Messaging: RabbitMQ, Kafka

Certifications

2019

IELTS Certificate with score 5.5