

MINH NGUYEN THANH

Ho Chi Minh City, Vietnam | +84343892050 | working@ngthminh.dev | ngthminh.dev

SUMMARY

Backend engineer with 4+ years building event-driven, high-throughput services in Node.js/NestJS. Focus on Kafka-based pipelines, real-time WebSocket systems, database performance, and production observability. Comfortable owning a service end to end: design, implementation, deployment, and incident response. Backend is the specialty, but I ship the client side when a feature needs it — React admin tooling and Flutter mobile in production.

SKILLS

Languages: JavaScript / TypeScript, Go, SQL
Backend: Node.js, NestJS, Express, REST, gRPC, GraphQL, Socket.IO / WebSocket
Frontend / Mobile: React, Flutter, TypeScript
Messaging: Apache Kafka, RabbitMQ
Data: PostgreSQL, SQL Server, Redis, Elasticsearch, Apache Cassandra
Infra & Ops: Docker, CI/CD, AWS S3, Elasticsearch/Kibana

EXPERIENCE

Vortech Service Company Limited

Backend Engineer

Ho Chi Minh City

Real-time gaming platform: wallet, transactions, game state, and user activity.

May 2025 – Present

- Built and operated event-driven backend services (Node.js, Kafka, RabbitMQ) exposing REST and gRPC APIs.
- Hardened Kafka consumers — manual offset commit, retry/DLQ strategy, heartbeat tuning, idempotent handlers — cutting duplicate and lost-message incidents.
- Designed distributed flows spanning API gateway, WebSocket services, Redis, message queues, and third-party integrations.
- Led production incident investigation: log/trace analysis, root-cause identification, permanent fixes rather than restarts.
- Ran services across dev/staging/prod with Docker and CI/CD pipelines.

Stack: Node.js, Kafka, RabbitMQ, gRPC, Redis, Elasticsearch, WebSocket, Docker

Kingfoodmart

Ho Chi Minh City

Software Developer

February 2023 – May 2025

(Back End Developer, Feb 2023 – Jul 2023 → Software Developer, Jul 2023 – May 2025)

Internal Web Platform — team of 4

- Built backend APIs for invoicing, promotions, and reporting.
- Cut query time on large datasets by moving heavy aggregation off the request path into Kafka/RabbitMQ workers.
- Integrated payment webhooks with third-party providers (Onelife, MoMo).
- Added centralized logging and tracing to microservices via Elasticsearch, reducing debugging time on production issues.
- Built React screens for the internal admin UI (invoicing, promotion, and reporting tools) alongside the APIs behind them.
- Mentored 2 engineers on debugging and code quality.

POS & Internal Operations App (Flutter) — team of 3

- Improved POS startup and operation speed by 30%.
- Implemented async processing for high-volume invoices with offline-safe data integrity.
- Shipped promotion and loyalty program integration.

Platform migration (first 6 months)

- Migrated the codebase from Express.js to NestJS.
- Redesigned and optimized the database schema; set up sharding, replication, and backups.
- Added unit and end-to-end integration tests; configured CI/CD pipelines.

Stack: Node.js, NestJS, React, Flutter, Kafka, RabbitMQ, SQL Server, Redis, Elasticsearch, Socket.IO, Docker, AWS S3

Overate-Vntech

Go Vap, Ho Chi Minh City

JavaScript Developer

June 2022 – February 2023

- Maintained and documented REST/GraphQL APIs for CRM and social media clients.
- Built a resource upload service and maintained a Socket.IO chat server.
- Sharded data storage with Apache Cassandra.
- Implemented cross-table keyword search with Elasticsearch.
- Containerized and deployed web services across multiple platforms.

Stack: Node.js, NestJS, Kafka, Cassandra, Elasticsearch, Kibana, Redis, Docker, Socket.IO

EDUCATION

University of Information Technology (UIT)

Graduated June 2024

B.Sc. Information Technology

CERTIFICATIONS

HackerRank—SQL(Basic), SQL (Intermediate), Advanced SQL