



# Nguyen Van Nhat Huy

## Software Engineer

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### Education

**Bachelor of Information Technology**  
2019 - 2023

University of Information Technology

### Skills

Languages: Javascript, Typescript

Frontend: NextJS, Vue3, Redux Toolkit, FabricJS

Backend: NodeJS, NestJS, Express, RESTful APIs, WebSocket

Databases & Storage: PostgreSQL, Redis, MinIO

Architecture: CQRS, RBAC, Multi-tenant Architecture, Event-driven Architecture

Cloud & Devops: AWS (EC2, ECS, IAM), Docker

Tool: Git, Github, Gitlab

### Objective

Software Engineer with experience in both frontend and backend development, specializing in scalable web applications and real-time systems. Skilled in modern JavaScript frameworks and backend architecture, with a focus on performance, maintainability, and clean code. Experienced in building enterprise and multi-tenant systems, with a strong interest in system design and scalable architectures.

### Work experience

**Backend Developer**

**March 2024 - Feb 2025**

#### Electronic Medical Record (EMR)

- Designed and developed a multi-tenant SaaS system for clinic and hospital management.
- Implemented patient workflows including registration, queue management, consultation, and medical records.
- Applied CQRS pattern and RBAC for scalable and maintainable architecture.
- Integrated MinIO for medical asset storage and document handling.
- Improved maintainability by separating business logic and domain workflows.

**Full-stack Developer**

**Apr 2025 - Jan 2026**

#### Market Intelligence Reporting Platform

- Built a platform to collect and analyze financial market data from social platforms.
- Generated automated reports with charts, tables, and narrative insights.
- Designed background job processing pipelines using BullMQ.
- Deployed containerized applications on AWS using EC2, ECS, and IAM.
- Gained hands-on experience with cloud deployment, infrastructure setup, and scalable services.

**Frontend Developer**

**March 2023 - Dec 2023**

#### Workspace Visualization Platform (QBIQ)

- Built interactive workspace visualization features using Vue.js and Fabric.js.
- Rendered CAD-based floor plans onto canvas for editing and manipulation.
- Implemented area calculation and workspace customization tools.
- Improved rendering performance and user interaction for complex floor plans.

### Projects

**Full-stack Developer**

**Apr 2026 - Present**

#### Trello Lite (Personal Project)

Node.js, Express.js, PostgreSQL, Prisma, Redis, WebSocket

- Built a Trello-like task management application with real-time collaboration.
- Designed a Redis-based event bus for real-time synchronization.
- Applied Transaction Outbox Pattern for reliable event processing.
- Improved type safety using advanced TypeScript patterns such as branded types.