

# Nguyen Khac Dong Quan

Web Developer Intern

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## OBJECTIVE

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[Position] with experience developing [type of systems/projects] using [core stack]. Short-term goal is to improve [specific technical area] and transition into a [target role] within [timeframe]. Seeking an opportunity at [Company Name] to apply technical skills, learn from experienced developers, and contribute effectively to real-world software projects.

## SKILLS

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**Programming Languages:** Java, JavaScript (ES6+)

**Frameworks & Libraries:** Spring Boot, React 18, Express.js, Tailwind CSS, Socket.IO, Spring AI

**Databases & Cloud:** MySQL, Redis, Qdrant (Vector Database), Cloudinary (CDN), Hibernate

**Core Concepts:** RESTful APIs, JWT, OAuth2, State Machines, Data Structures & Algorithms

**Software Architecture:** Modular Monolith, Layered Architecture, Hybrid SSR/API

**Tools & AI Productivity:** Docker, Git, Linux, Github Copilot, Gemini CLI, Context/Token Management

## PROJECTS

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**Perfume E-commerce** | Team size: 1 | 🏠 [GitHub Repository](#) | 📺 [Video Demo](#) February 2026 – Present

*Technologies:* Java 21, Spring Boot 3, React 18, Spring AI, Qdrant, OAuth2/JWT, Docker, VNPay

- Developed a **luxury-style React UI** integrated with a **RAG-based AI consultant** (Spring AI, Qdrant), **handling the majority of product inquiries** via expert automated advice.
- Implemented **VNPay v2.1** with a robust **Repay flow** and **OAuth2 account linking**, ensuring a secure payment journey and **minimizing potential cart abandonment**.
- Designed a **modular monolith** backend and used **custom hooks** for FE state management, **accelerating feature development cycles** via decoupled architecture.
- Optimized system performance using **EntityGraph/BatchSize (90%+ reduction in query count)** and **Cloudinary** for automated, high-speed **CDN-based asset delivery**.
- Built **async email notifications** via Spring Boot Mail, replacing manual invoicing and ensuring **100% instant delivery** of order confirmations without blocking checkout.

**POS** | Team size: 1 | 🏠 [GitHub Repository](#) | 📺 [Video Demo](#) May 2025 – August 2025

*Technologies:* Node.js, Express.js, Socket.IO, MySQL, EJS, Bootstrap 5, Docker

- Engineered a **real-time ordering system** using **Socket.IO Rooms/Namespace**s for multi-directional sync between roles, **increasing table turnover efficiency**.
- Designed a robust **order state machine** and enforced **data integrity** via **MySQL transactions**, **eliminating potential ordering errors** during peak operational hours.
- Implemented a **hybrid SSR/API architecture**, providing fast initial dashboard loads for staff while supporting **zero-latency** dynamic updates for order tracking.
- Secured sensitive financial data through **RBAC middleware** and **Bcrypt** hashing, ensuring **0% unauthorized access** to internal revenue reports.
- Implemented **sales analytics** via **SQL aggregations**, providing automated tracking of daily revenue and top-selling dishes for operational insights.

## EXPERIENCE

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**Nhat Minh Education Center**

*Math Tutor*

February 2025 – August 2025

*Ho Chi Minh City, Vietnam*

- Successfully mentored **10+ students**, significantly boosting academic results: **3 students jumped from failing grades (3-4) to excellence (9+)**, while others improved from 5-6 to 8+.
- Tailored teaching methods to individual learning styles, demonstrating strong **patience, communication**, and **result-oriented mentorship**.

## Freelance Web Development

*Frontend Developer*

January 2024 – Present

*Ho Chi Minh City, Vietnam*

- Developed **5+ customized static web solutions** using **HTML, CSS, and JavaScript** based on specific academic project requirements for university students.
- Ensured **100% adherence to technical specifications** and design handoffs, delivering clean and maintainable code for various educational modules.

## Computer Repair Services

*Freelance Technician*

January 2023 – Present

*Ho Chi Minh City, Vietnam*

- Resolved **20+ hardware and software cases** with high client satisfaction; performed Windows installations, RAM upgrades, and system troubleshooting.
- Built a reputation for **reliable technical support** and quick problem diagnosis for individual clients in the local area.

## EDUCATION

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### Sai Gon University

*Bachelor of Engineering in Information Technology*

September 2022 – March 2027

*Current GPA: 3.0/4.0*

## CERTIFICATES

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### Aptis ESOL B2

*English Proficiency Certificate*

March 2026

*British Council (BC)*