

HA VAN DUNG

Fresher Software Engineer

Target: Security Application Development & Long-term career in Japan

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PROFESSIONAL SUMMARY

Final-year IT student (Graduating Aug 2026) with **JLPT N3**. Solid foundation in **Java (Spring Boot)** and System Migration. Possess strong logical thinking (proven by **ICPC** and Research Awards), suitable for complex **Security Applications**. Highly adaptable, familiar with Japanese working culture (Reporting/Teamwork), and fully committed to relocating to Tokyo.

LANGUAGES

Japanese: JLPT N3 (Exam taken Dec 2025).

- Can communicate in daily workplace contexts and read technical specifications.
- Currently self-studying for N2 to improve business level fluency.

English: Professional working proficiency (Good at reading technical documentation).

TECHNICAL SKILLS

Back-End (Java): Spring Boot, Spring Security, JPA, MyBatis, Batch Processing logic.
Front-End: HTML, CSS, JavaScript, jQuery (Legacy Maintenance), React.js.
Database: MySQL, PostgreSQL, SQL Server (Complex Queries & Optimization).
System/Tools: Linux (Ubuntu), Docker, Git, VMware (Basic concepts).
Core Skills: Data Structures & Algorithms, OOP, Clean Architecture.

CERTIFICATIONS & ACHIEVEMENTS

3rd Prize, Student Scientific Research

Topic: Ontology-based Web System for Solving Discrete Mathematics Problems

[View Certificate](#)

Team Member - ICPC Central Vietnam 2025

(Algorithmic Programming Competition)

[View Certificate](#)

PROJECT EXPERIENCE

UEH Job Portal Ecosystem (Internship Project)

Jun 2025 – Dec 2025

Stack: .NET 9, ASP.NET Core, Clean Architecture, SQL Server, Docker, jQuery

[Client Site](#) — [Admin Site](#) — [Source Code: Confidential \(NDA\)](#)

- System Migration Implementation:** Executed the end-to-end migration of 2 portals (Candidate & Admin) from Legacy .NET to .NET 9. Worked closely under the strict **Code Review** and guidance of Senior Leads to ensure adherence to **Clean Architecture** and high-quality coding standards.
- Architecture Refactoring:** Collaborated with the team to refactor complex business logic (previously in jQuery/Bootstrap) into a scalable backend using **CQRS** pattern (MediatR), significantly improving maintainability.
- Database Engineering:** Performed critical database refactoring for **SQL Server** (60+ tables), following instructions to standardize schema. Developed migration scripts and backup protocols to ensure **100% data integrity** for **76,000+ candidates**.
- Advanced Features:** Developed an Email Automation Service using background queues. Implemented **FluentValidation** and **AutoMapper** to decouple data layers as per project specifications.

VinCharge Subscription Platform (Real-world Client)

Mar 2025 – Jun 2025

Stack: Java 17, Spring Boot 3.2, PostgreSQL, VNPay, JWT, Spring Security

[Source Code](#)

- Backend Architecture:** Engineered a scalable RESTful API for EV charging subscription management. Handled complex billing logic and recurring payment schedules using **Quartz Scheduler**.
- Payment Integration:** Successfully integrated **VNPay** payment gateway with secure **HMAC-SHA512** signature verification. Implemented **IPN** (Instant Payment Notification) to process transactions in real-time with high reliability.
- Security System:** Built a robust authentication module using **JWT** (Access & Refresh Tokens) and Spring Security filters to protect sensitive user data.

StuTrello - Task Management System (Personal)

Jan 2025 – Apr 2025

Stack: React.js, Node.js, Express, MongoDB, Socket.IO

[Live Demo](#) — [FE Code](#) — [BE Code](#)

- **Real-time Collaboration:** Developed a fully functional Kanban board allowing multiple users to edit simultaneously. Leveraged **Socket.IO** to broadcast updates instantly (card movements, comments) across clients without page reload.
- **Complex UI Logic:** Implemented smooth **Drag-and-Drop** functionality for task reordering using React DnD. Handled **Optimistic UI** updates to ensure a seamless and responsive user experience even under network latency.
- **Data Optimization:** Designed efficient **MongoDB Aggregation Pipelines** to filter and sort tasks dynamically based on user criteria.

EDUCATION

Bachelor of Science in Information Technology

2022 – 2026

University of Transport and Communications, Ho Chi Minh City