Nguyen Hong Khanh Vinh

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SUMMARY

Fourth-year Software Engineering student specializing in **Backend Development**. Experienced in building **REST APIs**, designing **relational and NoSQL databases**, and implementing **authentication, authorization, and asynchronous processing**.

EDUCATION

Nha Trang University *2022 – Present*
Bachelor of Information Technology

CERTIFICATIONS

TOEIC: 715 *12/2025*

PROJECTS

Mio Pizza Store POS System - Team 2 *05/2025 – 06/2025*
- Built REST APIs following **layered architecture**, ensuring clear separation between controller, service, and data access layers.
- Designed and implemented backend business logic for **attendance tracking, violations, and salary calculation** workflows..
Tech: Java Spring Boot, PostgreSQL, React, TypeScript
Repository: Link

Baya E-commerce Website *05/2025 – 09/2025*
- Developed a **REST API** supporting **CRUD operations**, authentication, and promotional logic.
- Implemented an intelligent search service using **RAG** with a **Vector Database** for semantic product matching.
- Integrated **JWT-based authentication** and **Role-Based Access Control** to secure administrative and customer data.
- Implemented pagination, filtering, and sorting to optimize API responses for large product datasets.
Tech: ExpressJS, MongoDB, Pinecone, Gemini API, React, TypeScript, Cloudinary
Repository: Link

Meeting and Equipment Management - Team 5 *11/2025 – 12/2025*
- Designed APIs to prevent meeting time conflicts and ensure consistent resource allocation.
- Optimized system performance by integrating **RabbitMQ** for **asynchronous processing** of email notifications and heavy file uploads.
Tech: ASP.NET Core, MySQL, RabbitMQ, React, TypeScript, Cloudinary
Repository: Link