

HOANG GIA HAO

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SUMMARY

Motivated Software Developer with hands-on experience building full-stack applications using React, TypeScript, Node.js, and MongoDB. Developed a real-world FoodMap platform integrating geolocation, restaurant management, AI chatbot assistance, and image processing. Experienced in designing REST APIs, authentication flows, and scalable backend services using NestJS. Currently expanding skills by developing an interactive Live2D AI chatbot for natural user communication.

EDUCATION

Industrial University of Ho Chi Minh City (IUH), Ho Chi Minh City, Vietnam — Expected Graduation 2026

- BS in Information Technology
- Relevant Coursework:
 - Distributed Systems
 - Web Development Tools
 - Data-driven Web Applications
 - Software Engineering
 - Database Systems
 - Computer Networking

TECHNICAL SKILLS

Computer Languages: TypeScript, JavaScript, Python, Java, HTML, CSS, SQL

Frameworks & Libraries: React, Next.js, Node.js, NestJS, Express.js, Bootstrap, TailwindCSS

Databases: MongoDB, MySQL

Tools & Technologies: Git, GitHub, Docker, Postman, Mapbox GL JS, ChromaDB, Google Cloud Storage, Firebase

AI & Specialized Skills: Chatbot Development, RAG, Live2D Model Integration, REST API Design, Authentication & JWT, Geolocation Systems

WORK EXPERIENCE

Project-Based Software Developer — Ho Chi Minh City, Vietnam (2022 – Present)

- Built project-based applications using React, TypeScript, NestJS, MongoDB, and Java.
- Developed the FoodMap platform with geolocation search, restaurant management, image handling, and an AI chatbot powered by Live2D and RAG.
- Applied core software engineering principles in both frontend and backend development.

PROJECTS

FoodMap – AI-Powered Restaurant Discovery (Independent Project)

2024 – Present

- Built a full-stack platform using React, TypeScript, NestJS, MongoDB, and Mapbox for geolocation-based restaurant search.
- Implemented restaurant CRUD, scheduling, reviews, and image handling via Google Cloud Storage.
- Developing an AI assistant using Live2D and RAG (ChromaDB) for personalized recommendations.
- Live: <https://www.food-map.online/>

Medical Supply E-Commerce Website (Personal Project)

2022 – Present

- Developed a responsive front-end e-commerce website using HTML, CSS, and JavaScript.
- Implemented product pages, category navigation, banners, and responsive menus.
- Designed front-end architecture ready for future backend integration.
- Live: <https://giahao1609.github.io/hoanggiahao-21121381/>