

Tien Hai Cao

📍 Danang, Vietnam ✉ tienhai2808@gmail.com ☎ 0973 481 940 🔗 tienhai2808.github.io/my_portfolio/
in tienhai2808 📱 tienhai2808

Summary

Young **backend developer** with the ability to expand into fullstack when needed, experienced in real-world projects involving **web applications**, **microservices** and **realtime systems**. Proficient in modern backend frameworks for building APIs and handling complex data. Always eager to learn new technologies and optimize solutions.

Education

Danang University of Economics
Bachelor of Ecommerce

Oct 2022 – now

GPA: 3.2/4.0 — TOEIC: 450

Projects

E-commerce Microservice

[view project](#) 

- A scalable e-commerce platform designed with a microservices architecture, using gRPC for high-performance inter-service communication. Built with a polyglot stack including Go, TypeScript, and Java, and integrating both SQL and NoSQL databases alongside other modern technologies.
- Tools Used: Golang, Java, TypeScript, Redis, RabbitMQ, PostgreSQL, MongoDB, SMTP, gRPC, Spring Boot, Gin

Civil Law Chatbot

[view project](#) 

- Built a legal QA app using RAG with a vector database of Vietnamese civil law and Gemini AI to generate answers. Includes user auth, question submission, and Q&A history.
- Tools Used: Python, ReactJS, TailwindCSS, FastAPI, Supabase, Langchain

Choose Right Cinema

[view project](#) 

- Built a Node.js/Express service to recommend cinemas based on location, date, and showtime using geospatial queries, real-time routing (OSRM), and AI (Gemini). Data scraped and stored in MongoDB with Redis caching.
- Tools Used: ExpressJS, ReactJS, MongoDB, Redis, Puppeteer

Virgo Chat

[view project](#) 

- Developed Virgo Chat (Node.js) with Google OAuth, Face ID auth, real-time messaging, group/private chat, notifications, calls, and admin dashboard.
- Tools Used: ExpressJS, NextJS, MongoDB, SocketIO, TailwindCSS, FaceapiJS

Icondenim Clone

[view project](#) 

- Built an e-commerce website inspired by Icondenim using Spring Boot, PostgreSQL, Redis, RabbitMQ, and SMTP for email delivery.
- Tools Used: Java, Spring Boot, RabbitMQ, Redis, PostgreSQL, SMTP, ReactJS

Technologies

Languages: Python, Golang, Java, JavaScript, TypeScript, SQL

Technologies: PostgreSQL, MySQL, MongoDB, FastAPI, Spring Boot, Gin, ExpressJS, Redis, RabbitMQ

DevOps & Tools: Docker, Git, PowerBI, Tableau