Tien Hai Cao

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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   *Oct 2022 – now*
Bachelor of Ecommerce

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, SoketIO, 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