

Tien Hai Cao

📍 Danang, Vietnam 📩 tienhai2808@gmail.com ☎ 0973 481 940 ⚡ tienhai.site 💬 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
GPA: 3.2/4.0 — TOEIC: 450

Oct 2022 – now

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

Instay [view project ↗](#)
○ The project is a hotel management system and provides services to customers during in-stay, using Web-Socket and Server-Sent Events simultaneously to handle realtime tasks.
○ Tools Used: Golang, NextJS, WebSocket, SSE, PostgreSQL, Redis, RabbitMQ, SMTP, IMAP, AWS S3

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