

Nguyen Thanh Hung

Software Engineering Student · Java / Python / TypeScript · AI Tools & Automation

Nghe An, Vietnam | thank0617@gmail.com | github.com/Hung2124

SUMMARY

Third-year Software Engineering student at FPT University. I build complete applications, from requirements and database design to backend logic, UI and tests, in Java, Python and JavaScript/TypeScript. I use LLMs and AI coding assistants every day, so I regularly review, test and correct AI-generated code and explanations. I am careful with written specifications, write clear technical English and deliver on time.

EDUCATION

FPT University, Vietnam — Bachelor of Software Engineering

Third year, in progress

Relevant courses: Java Web Application Development (PRJ301), Software Requirements (SWR302), Software Development Project (SWP391), Databases, Object-Oriented Programming.

PROJECTS

MBCMS: Multi-Branch Cinema Management System

Team project, SWP391

Java Servlet/JSP, Maven, SQL Server, JDBC (DBCP2); Servlet → Service → DAO layered architecture

- Web system for a cinema chain with several branches: 5 user roles, role- and branch-based access filters, and a 20-table normalized database.
- My features: showtime scheduling that rejects overlapping screenings, Standard/VIP seat pricing with a configurable surcharge, and system settings.
- QR e-tickets with check-in done in one atomic database update, so the same ticket cannot be scanned twice.
- VNPay payment integration (return URL and IPN callback) and logout through POST with CSRF protection.
- Co-wrote the SRS (47 use cases) and the design document; designed the ERD and its relational mapping.

H2C Library: Library Management and Online Borrowing

github.com/Hung2124/h2c-library

Java Servlet, JSP/JSTL, MVC, Filters, JDBC, SQL Server

- User side: search, filter, sort and paginate books, a borrow cart, borrowing requests and borrowing history.
- Admin side: CRUD for books, authors, categories and users, request approval, and a statistics dashboard with charts.

Feed Watch Bot

github.com/Hung2124/feed-watch-bot

JavaScript, Cloudflare Workers, Cron Triggers, Workers KV, Telegram Bot API

- Serverless bot that checks RSS/Atom feeds every 15 minutes and posts new items to Telegram, without duplicates.
- Checks the webhook secret, validates user URLs (blocks private hosts, caps size and timeout) and retries on HTTP 429.
- Covered by offline unit tests using Node's built-in test runner.

Catalog Scraper

github.com/Hung2124/catalog-scraper

Python, Requests, Playwright, YAML config

- Scrapes paginated catalogs (static and JavaScript-rendered pages) and exports CSV, JSON or XLSX, followed by a data-quality report.
- Respects robots.txt and rate limits, and retries network errors, HTTP 429 and 5xx with exponential backoff.

Telegram AutoMod

github.com/Hung2124/telegram-automod

Python, FastAPI, PostgreSQL, Redis, LLM APIs

- Moderation bot (alpha) that uses an LLM to classify group messages as spam, scam, NSFW or a rule violation, then applies per-group actions: delete, warn, mute or ban.

SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL

Web & backend: Servlet/JSP, Node.js, FastAPI, REST APIs, React, Next.js, Tailwind CSS, SQL Server, PostgreSQL

Cloud & tools: Cloudflare Workers (KV, Cron), Git/GitHub, Docker, Playwright, Maven

AI: LLM APIs, prompt design, AI coding assistants (Claude Code), MCP servers, evaluating and debugging AI-generated code

Software engineering: requirements (SRS, use cases), ERD and database design, layered architecture, unit testing

Languages spoken: Vietnamese (native), English (professional working proficiency)