





Nguyen Cong Quan

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EDUCATION

SaiGon University
B.S Software Engineering

Sept. 2023 – June 2027
Current GPA: 3.1/4.0

SKILLS

Languages: C/C++, Python (Data Structures, Algorithms), Java (OOP, Multithreading), JavaScript/TypeScript
Frameworks: Node.js, Next.js (SSR/SSG, App Router), Spring Boot (Microservices, JPA/Hibernate), React, Tailwind CSS, Expressjs
Tools & Technologies: Git/GitHub (CI/CD), Unix Shell (Bash/WSL2), Docker (Containerization), PostgreSQL, MySQL, MongoDB, RESTful APIs, RAG Systems (LLMs, Vector DB)

PROJECTS

RAG Assistant Q&A | *Python, Django, React, LangChain, FAISS, Ollama, OCR* Mar. 2026
* Engineered a localized RAG (Retrieval-Augmented Generation) system allowing users to chat with documents (PDF, Docx, Images) using **Ollama (Qwen2.5:7B)** for data privacy.
* Implemented **LangChain** for AI orchestration and **FAISS** as a vector database to store and retrieve high-dimensional embeddings (**nomic-embed-text**).
* Developed a multi-format document processing pipeline utilizing **PyPDF** and **Tesseract OCR** to extract text from images and scanned documents.
* Architected a robust backend with **Django REST Framework** and a modern UI using **React 19** and **Tailwind CSS** for a seamless AI chat experience.
Source Code: github.com/NguyenAn-1703/PTPM_MNM

E-Commerce Platform | *Java, Spring Boot, ReactJS, MySQL, Docker* Mar. 2025
* Built ChatBOT model for product consultation, 24/7 customer support, improving user experience.
* Implemented JWT authentication, Google OAuth2 login, and role-based access control (RBAC) to ensure secure access.
* Deployed online payment system integrated with VNPay payment gateway.
* Developed core features: login, homepage, search, product display for customers, promotion management, inventory management, sales reporting, and employee management.
Source Code: github.com/congquan92/SZ

WebSocket Chat Application | *TypeScript, ReactJS, Node.js, Socket.io, MongoDB* May 2025
* Built a real-time chat application with a user-friendly interface and fast message sending/receiving capabilities.
* Used WebSocket with Socket.IO to ensure continuous connection and efficient data transmission between client and server.
* Integrated MongoDB to store chat history and manage users.
* User authentication using JWT, and message encryption using AES-RSA to ensure data security
Source Code: github.com/congquan92/ChatWeb

AWARDS & CERTIFICATIONS

Academic Excellence Scholarship | *Saigon University* 2024 – 2025
* Awarded twice for maintaining a high GPA and demonstrating outstanding academic performance in Software Engineering.

English Proficiency - CEFR B1 2025
* Capable of reading technical documentation and communicating effectively in professional environments.