

TRAN QUOC HUY

Software developer

25/3 Truong Van Thanh, Hiep Phu, Thu Duc, HCMC | +84378258645 | tranquochuy645@gmail.com

Github: [tranquochuy645](https://github.com/tranquochuy645) | Portfolio: tranquochuy645.github.io

SKILLS

Main stacks:

- C, C++, TypeScript, JavaScript, Bash, Java, Python, C#.
- Linux OS, Git, Github Actions, Nginx, Docker.
- REST APIs, Webhooks, real-time protocols (Websocket, WebRTC, Server-sent events, etc).
- NodeJS, ExpressJS, ReactJS, HTML, CSS.
- MongoDB, Firebase.

Elementary understanding: AWS, CI/CD, cyber-security, network administration.

Side knowledge/hobbies: Android (Java), ESP-IDF, Arduino, Unity3D.

EDUCATIONAL PROJECTS

Video meeting and messaging web app

- Open-source code: [link](#) • Demo: [link](#)
- Technologies: NodeJS, ReactJS, ExpressJS, Socket.io, WebRTC, MongoDB, AWS (EC2, S3).
- My role: Fullstack (Team: 1 Fullstack, 1 Front-end).
- Highlights:
 - ✓ Direct or group messaging and video call.
 - ✓ Complete CRUD operations for data management, JWT authentication.
 - ✓ User-generated media contents transferring, access-controlling.
 - ✓ Automated deployment (Github Actions, Docker, EC2).

My portfolio (individual project)

- Open-source code: [link](#) • Demo: [link](#)
- Technologies: ReactJS.
- Highlights:
 - ✓ Lighthouse score of 99 (Performance: 97, Accessibility: 100, Best practices: 100, SEO: 100).
 - ✓ Responsive design with mobile scaling.
 - ✓ Automated deployment (Github Actions, Github Pages).

Smarthome solution with OpenAI service (individual project)

- Open-source code: [link](#) • Demo video (Vietnamese): [link](#)
- Technologies: Android (Java), ESP32-IDF, Firebase, ChatGPT, Google Cloud Speech.
- Highlights:
 - ✓ Low-latency, context-aware verbal exchanges with ChatGPT.
 - ✓ Smart devices controlling by ChatGPT function calling.
 - ✓ Smart configuring of headless devices, real-time data tracking.
 - ✓ SSE handling on ESP32 (C program) for Firebase real-time connection.

EDUCATION

HCMC University of Technology and Education

Undergraduate Bachelor of Embedded system and Internet of Things

HCMC, Vietnam

Expected Graduation: 2024

COMMUNICATION

Vietnamese (native)

English (B2)