TRAN QUOC HUY

Web developer

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Github: https://github.com/tranquochuy645 | Portfolio: https://tranquochuy645.github.io

SUMMARY

Passionate about programming, I aim to build a career as a web developer. I invest a significant amount of time in building educational projects, honing solid skills in web development. Additionally, my college major in Embedded systems and IoT provides a strong foundation in network and hardware, enhancing my technical expertise.

SKILLS

Proficient:
- TypeScript , JavaScript, Java, C++, C, C#, Python, Bash.
- Linux OS, SSH, system daemon, cron-job, proxy, firewall, virtualization.
- Git, Github Actions, Nginx, Postman, Docker.
- REST API, Websocket, HTTP long-polling, WebRTC, Server-sent Events, Webhooks.
- NodeJS, Express, Socket-io, Jsonwebtoken, Multer, Bcrypt, Dotenv, Npm.
- ReactJS, Vite, HTML, CSS, SEO, BEM, flexbox, responsive layout, animation, code bundling, lazy loading, browser fetch.
- MongoDB, Firebase, MySQL.

Basic Understanding:
- AWS, GCP, Kubernetes, load balancing, serverless, cyber-security, CI/CD, GraphQL.

Communication:
- Vietnamese (native), English (fluent).

PROJECTS

My portfolio (individual project)
- Technologies: ReactJS.
- Highlights:
  - ✔ Responsive design with mobile scaling.
  - ✔ Achieved a perfect Lighthouse score of 100.
  - ✔ Automated bundle and deploy processes.
- Accessible online: link

Video meeting and messaging web app
- 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 stransfering and storing.
  - ✔ Automated deployment process.
- Open-source code available: link

Smarthome solution with OpenAI service (individual project)
- Technologies: Android (Java), ESP32-IDF, Firebase, ChatGPT, Google Cloud Speech.
- Highlights:
  - ✔ Low-latency, context-aware verbal exchanges with ChatGPT.

- ✔ Smart devices controlling by OpenAI function calling.
- ✔ Real-time data tracking.
- ✔ Smart configuring of headless devices.
- Open-source code available: link

EDUCATION

HCMC University of Technology and Education   **HCMC, Vietnam**
Undergraduate Bachelor of Embedded system and Internet of Things   Expected Graduation: 2024