

TRAN LE QUOC THONG

March 31, 2003 · 0909943501 · tranlequochong313@gmail.com · District 12, Ho Chi Minh City

github/tranlequochong313 · tranlequochong313.github.io/portfolio

SUMMARY

A final-year IT student with strong knowledge in web development, including database design, creating user-friendly UI/UX, and team management. Motivated, quick to learn, and eager to contribute to innovative projects in a dynamic and fast-paced tech environment.

PROJECTS

Audio Steganography (github.com/tranlequochong313/CipherNest) Aug 2024 - Present

- Conducted in-depth research on data hiding algorithms to identify effective techniques for embedding and extracting information.
- Implemented data embedding and extraction algorithms using Python, Django, ReactJS, and TypeScript, with encryption and compression to ensure data integrity and minimal audio quality impact.
- Applied compression libraries (zlib) for optimized storage and preservation of audio fidelity.
- Secured data before embedding with AES encryption to enhance overall data security.

Apartment Management (github.com/tranlequochong313/OceanView_BE) Jul 2024 - Aug 2024

- Created business specifications and designed the database schema using Django (Python) for the backend, MySQL for database management, and React Native for the frontend.
- Developed an automated invoicing system with cron jobs to enhance billing efficiency.
- Integrated Firebase for notifications and real-time chat.
- Incorporated Momo & VnPay for secure payments, Twilio for OTP and SMS, and Cloudinary for media file management.

E-Learning Platform (github.com/tranlequochong313/f8cloneBE) Jan 2022 - Apr 2022

- Designed and implemented the backend using Node.js with Express and MongoDB, including robust database schema creation and efficient data management.
- Integrated Firebase for secure user authentication and authorization.
- Developed learning features, blog posts, and admin dashboards for streamlined administration.
- Utilized YouTube API to fetch and store video data in the database for new courses, ensuring up-to-date content management.

EDUCATION

Bachelor of Information Technology - HCM Open University Sep 2021 - Present

- Completed coursework in Software Development, Database Management, System Analysis, and achieved high grades in core subjects such as Algorithms, Data Structures, and Web Development.
- Engaged in hands-on projects and team collaborations, gaining practical experience in real-world applications.

SKILLS

- **Programming Languages:** Python, Typescript, Javascript, Java, C#, C++
- **Frameworks:** Django, Express, Flask, Spring MVC, ReactJS, React Native, VueJS
- **Databases:** MySQL, MSSQL, MongoDB, Redis
- **Tools:** Git, Docker, Linux, Vim, Figma
- **Languages:** English (Upper Intermediate), Vietnamese