Nguyễn Anh Kiệt

A

CONTACT

C

EDUCATION

2020 - 2024
University of Information Technology

- B C E
- A
-
- A E

CERTIFICATE

-

SKILLS

- **Programming Languages**: Python, C/C++, Assembly, TypeScript, JavaScript, Verilog
- **Frameworks & Libraries**: NestJS, Next.js, ReactJS, OpenCV, HTML, CSS
- **Databases**: SQL, MongoDB
- **Embedded Systems**: Arduino Uno, ESP32, Raspberry Pi
- **Source control**: GitHub

WORK EXPERIENCE

Fullstack Developer

09/ 2024 - 07/2025

Nexle Corporation - Full time
Ho Chi Minh City, Vietnam - On site

- Developed and maintained systems using NodeJS (ExpressJS, NestJS), RESTful APIs, and TypeScript, ensuring performance and scalability.
- Built web applications using ReactJS and NextJS, focusing on user experience optimization and reusable component design.
- Experienced with container-based deployment using Docker, worked with Docker images, Docker-compose.
- Participated in designing and working with MySQL and MongoDB databases, including schema design and query optimization.
- Used Git for source code management

PROJECTS

Web site manage Staff

02/2025 - 07/2025

Description: Designing a website interface to assist managers in tracking the employee list, enabling them to manage and assign tasks to each employee efficiently

Technology:

- Backend: NestJS.
- Frontend: NextJS, ReactJS
- Database: MongoDB

My responsibilities:

- Create all API endpoint using NestJS
- Create database by using MongoDB
- Developed frontend components with UI frameworks in NextJS.
- Implement authentication and permissions to ensure that only authorized users can access.
- Design a chart to visualize the number of staff assigned to each project and skill.

Smart Parking System - Course Project

11/2023 - 03/2024

Team size: 04
Report and demo: Click here
Language: Python
Processor: Raspberry Pi4, ESP32
Function: Detect license plates when cars are entering or exiting.
Description: When a vehicle enters, the sensor activates the RFID. After the user swipes the card, the camera captures the license plate and sends the data to the system. The system stores the entering license plate information for comparison with the exiting license plate.

My responsibilities:

- Lead of the team throughout the project lifecycle.
- Initiated the project concept and delegated specific tasks to team members based on their strengths.
- Developed a license plate detection module using OpenCV.
- Implemented and deployed embedded code on ESP32 microcontrollers and Raspberry Pi boards..

Check-in using QR code in event - Final Year Thesis

03/2024 - 07/2024

Team size: 01
Report and demo: Click here
Source code in github: Click here
Language: Python
Processor: Raspberry Pi4
Function: Monitor people entering and exiting large events.
Description: To enter, the customer needs to press a button to open the door. If the customer has already scanned the QR code, the door will open. If not, the system will prompt the customer to scan the code. For subsequent entries or exits, the customer will not need to scan the QR code again.