



ANH KIET NGUYEN

BACKEND DEVELOPER

Full-stack Developer with strong expertise in Backend development using Node.js and Frontend development with React.js and Next.js. Experienced in building scalable, high-performance web applications and RESTful APIs. Additionally, knowledgeable in Embedded systems, capable of working across software layers from low-level firmware to user-facing interfaces. Adept at problem-solving, collaborating in agile teams, and delivering reliable, efficient solutions.

CONTACT

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Date of Birth: July 18, 2002
Github:<https://github.com/anhkiet18072002>
Portfolio: <https://kiet-portfolio-alpha.vercel.app/>

EDUCATION

2020 - 2024
University of Information Technology

- Bachelor of Computer Engineering
- GPA: 8.28/10
- Graduated with Good
- Academic Encouragement Scholarship - 2022

CERTIFICATE

- Toeic - 575/990
- Toeic SW - 250/400

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

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

09/ 2024 - 07/2025

- 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

Diabetic Retinopathy Detection - Embedded Intern

03/2024 - 07/2024

95IDEAL, Ho Chi Minh City

Description: Contributed to the development of multiple startup projects, focusing on using Computer Vision to build medical support products

Project: Diabetic Retinopathy Detection

Developed a product that identifies stages of Diabetic Retinopathy based on retinal fundus images.

My Responsibilities:

- Collaborate with a team to develop a product that identifies stages of Diabetic Retinopathy disease through prominent features on retinal fundus images.
- Research the connection between a retinal fundus camera (Visucam) and Jetson Nano to facilitate data exchange.
- 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.
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Porfolio

08/2025

Source code: <https://kiet-portfolio-alpha.vercel.app/>

Description: A personal portfolio website built with React, Next.js, and Tailwind CSS, deployed on Vercel.

Technology: Next.js, React, TailwindCSS, Framer Motion.

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

Team size: 01

03/2024 - 07/2024

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.