

Nguyen Huy Hieu

hhleas03@gmail.com • +84388522680 • [linkedin.com/in/hieu-nguyen-huy](https://www.linkedin.com/in/hieu-nguyen-huy)
github.com/hieunh03

Experienced full-stack engineer with strong proficiency in data structures and algorithms. Skilled in DevOps practices, consistently delivering high-quality solutions to complex technical challenges.

WORK EXPERIENCE

Fullstack Developer

Sep 2024 - Present

Remitano - Cryptocurrency Exchange

Remote

- Developed an **ERP service** that maintains pull requests and links with documents to manage the goals and tasks of the product.
- Developed an anomaly detection service for detecting anomalies in on-ramp and off-ramp flows using **AWS Cloudwatch**
- Maintained and optimized the **KYC service** (kyc-service), reducing operational costs while ensuring stability and performance.
- Worked within a **Ruby** backend stack, aligning with Remitano's core technology ecosystem.

Software Engineer Intern

Jul 2023 - Aug 2024

Teko Solution JSC

Hanoi

- Developed and maintained web application using **FastAPI** and **Python** to assist Sales in customer care and reporting to managers in efficiency and streamlined communication.
- Developed a website using **Golang** in a monorepo to manage forests and carbon credits for users in Africa, resulting in a increase in user engagement. Simplified the map loaded from the server, resulting in a **70% reduction** in user's map loading time and a **50% decrease** in API response size.
- Developed components related to forms, maps, and notifications in a mobile app using the **Flutter** framework
- Implemented a **CI/CD workflow** to automatically publish the **Flutter app** using **Fastlane** resulted in a **60% decrease** in deployment time.

Researcher

Mar 2022 - Apr 2023

Software Engineering Laboratory VNU University of Engineering and Technology

Hanoi

- Developed a source code analysis tool in **Java**, **C Sharp**, and **PHP** that represented dependencies in graph form using frameworks and **JavaScript**, resulting in a **60% increase in speed** for Dependency Analysis.
- Published a paper about the tool and submitted it to **The Scientific Research Conference for Undergraduates 2023** at UET-FIT. I also built **microservices** and **authentication** for the tool.

EDUCATION

Bachelor of Information Technology

Jun 2021 - Jan 2025

VNU University of Engineering and Technology Hanoi

GPA: 3.5

- Special Prize in the **Naprock Procon Competition** in Japan 2024
- Champion in the The National Procon 2023
- Third prize in The 2021 **ICPC Asia HaNoi Regional Contest**
- Second prize in the 2021 **ICPC Vietnam National Programming Contest**
- First prize in the IAI-Hackathon (UET Hackathon) 2023
- First prize in the Coding Inspiration Hackathon Organized by FPT Japanese club in 2023

Major in Informatics and Physics

Jan 2018 - Jan 2021

Lao Cai High School for the Gifted Students Lao Cai

- Consolation prize in Vietnam National Olympiad in Informatics (2020 – 2021)
- Silver Medal in The Hung Vuong competition for high school gifted student

SKILLS

Developer Tools: Git, Github, Postman, Cursor AI

Technologies: C/C++, Flutter, Java, Golang, Javascript, Ruby, React, Docker, Kubernetes

PROJECTS

Smart Home

Mar 2024 - Jun 2024

The Smart Home project developed a mobile app for managing IoT devices with map-based visualization, using Home Assistant, Flutter, and Spring Boot. I contributed to app and backend development, IoT control, and Firebase Notifications integration, achieving a 30% faster response time, 25% better alert reliability, and 90% user satisfaction in testing.

MindMap AI

Aug 2023 - Nov 2023

In the MindMap AI Project, I developed a web application that helps users create mind maps and flowcharts. The application utilizes AI to automatically generate mind maps and flowcharts based on user input, resulting in a 30% reduction in time spent on creating diagrams.

Dictionary

Oct 2022 - Dec 2022

In the Dictionary Project, I implemented a Trie data structure to reduce search time by 80% compared to conventional methods, enabling efficient word suggestions based on shared prefixes. Additionally, I integrated the Google Translate API for English to Vietnamese translation.

LANGUAGES

Vietnamese (Native proficiency) • **English** (Professional working proficiency)