



# CHE QUANG HUY

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**Portfolio:** [huyche.site](http://huyche.site)

**GitHub:** [github.com/chequanghuyca](https://github.com/chequanghuyca)

Software Engineer

## SUMMARY

Software Engineer with 4 years of experience specializing in Full-stack development. Skilled in ReactJS, NextJS, NestJS, Golang, and Web3, with a proven track record of building scalable, high performance systems. Passionate about learning new technologies and applying best practices to deliver impactful solutions.

## EDUCATION

**Ho Chi Minh City University of Technology - HCMUT, Ho Chi Minh.**

**2018 – 2023**

Major: *Computer Science.*

Level: *Middle*

Foreign Languages: *Toeic 550*

## TECHNICAL & SKILLS

**Front-end:** Web3, ReactJS, NextJS, Vite, React Query - Tanstack, TypeScript, Redux, Zustand, Tailwind, Bootstrap, HTML5, CSS/SCSS, ...

**Back-end:** NodeJS, NestJS, Golang, GraphQL, JWT, OAuth2, MySQL, PostgreSQL, Oracle, MongoDB, Redis, RabbitMQ, ...

**DevOps & Tools:** GitHub, GitLab, CI/CD, Docker, Nginx, DigitalOcean, Cloudflare, ...

**Design & Others:** Responsive Design, SEO, API Design, Database Design, Jira, Notion, Teamwork, Communication, ...

## EXPERIENCE

**Mirai Labs.**

**Mar 2024 - Present**

*Middle Software Engineer*

*Ho Chi Minh City*

- **Project:** Remoty Platform App, Petopia Marketplace Assets, Pegaxy Marketplace Assets, Operator Mirai App (*internal*), Mirai Telegram Wallet, Play To Whitelist - Merge Pals Games, ... (*tap to view live*)
- **Technologies:** ReactJS, Vite, NextJS, ThirdWeb, JWT, Blockchain, Tauri, Rust, ...
- **Responsibilities:**
  - \* Built a decentralized NFT marketplace enabling users to buy, sell, and auction digital assets with seamless Web3 wallet integration (MetaMask, WalletConnect, ...).
  - \* Developed an operator dashboard for the Mirai App (similar to Binance), empowering admins to manage listings, users, and transactions efficiently.
  - \* Enhanced visibility and traffic for Web3 products through advanced SEO strategies.
  - \* Integrated ThirdWeb SDK and smart contract interactions to enable blockchain functionalities such as minting, transferring, and auctioning NFTs.
  - \* Implemented secure authentication using JWT and blockchain-based tokens.
  - \* Developed a cross-platform desktop application with Tauri (Rust + React) for timekeeping and task management.

- \* Incorporated AI-driven analytics to evaluate employee productivity from screen activity recordings.
- \* Contributed to Web3 adoption by bridging traditional web solutions with decentralized technologies.

## Data and Information Technology Center of HCMUT.

*Junior Software Engineer*

**Aug 2022 – Mar 2024**

*Ho Chi Minh City*

- **Project:** Quality Assurance System.
- **Technologies:** ReactJS, ExpressJS, Oracle, Redis, RabbitMQ,...
- **Responsibilities:**
  - \* The system for OISP to manage surveys, statistics data, and ISO goals for more than 100 OISP staff and all HCMUT lecturers and students.
  - \* Developed and maintained a quality assurance system for the Office for International Study Programs (OISP), supporting academic operations at HCMUT.
  - \* Collaborated with cross-functional teams - including designers, product managers, and developers - to deliver high-quality, user-focused web applications.
  - \* Analyzed and clarified business requirements with stakeholders, and proposed scalable solutions for system deployment.
  - \* Diagnosed and resolved system issues, while continuously optimizing performance and reliability during production.

## FPT Software.

*Intern Back-end Developer*

**May 2022 – Aug 2022**

*Ho Chi Minh City*

- **Project:** Human Resource Management Software.
- **Technologies:** Java SpringBoot.
- **Responsibilities:**
  - \* Gained hands-on experience with Java and the Spring Boot framework.
  - \* Designed and implemented RESTful microservices APIs for a human resource management system.
  - \* Collaborated with senior developers in code reviews to improve code quality and follow best practices.
  - \* Prepared technical documentation and feature reports to support product development.

## PERSONAL & FREELANCE PROJECTS

### TransMaster Web

**Aug 2024**

- **Project:** Practice real-world questions and get instant feedback with AI.
- **Technologies:** NextJS, Golang, MongoDB, CI/CD, Docker, DigitalOcean, Cloudflare, Nginx, Gemini Agent, OAuth2,...
- **Live Project:** [www.transmaster.site](http://www.transmaster.site)
- **Responsibilities:**
  - \* Built a web-based platform that helps users practice translating Vietnamese to English with real-time corrections on grammar, vocabulary, and syntax.
  - \* Integrated AI-powered feedback to suggest natural expressions and improve sentence fluency.
  - \* Designed a personalized learning path with progressive challenges to ensure steady improvement.
  - \* Developed an admin dashboard to create and manage multiple topics and challenges for users, enhancing scalability and content diversity.

- \* Provided diverse, real-world topics (daily life, travel, work, culture) to keep practice engaging and practical.

## Website - MHP Technology Investment Joint Stock Company

Nov 2025

- **Project:** Full-stack web platform for a camera and electrical equipment company, featuring a customer-facing site and an internal admin dashboard to manage products, services, brands, users, and analytics.
- **Technologies:** NextJS, Golang, MongoDB, CI/CD, Docker, DigitalOcean, Cloudflare, Nginx, OAuth2, Google Recaptcha,...
- **Live Project:** [www.mhptech.com.vn](http://www.mhptech.com.vn)
- **Responsibilities:**
  - \* Built the Next.js App Router frontend with SEO-friendly pages, responsive layouts, and optimized media for product and service catalogs.
  - \* Developed the admin dashboard with CRUD management for products, product types, services, brands, and users, using type-safe forms and validations.
  - \* Integrated Cloudflare R2 for image storage and a modular API/repository layer with authentication, analytics tracking, and React Query data caching to monitor site traffic and performance.
  - \* Implemented Google reCAPTCHA v3 across public-facing forms to block automated submissions, prevent spam, and enhance the security of user interactions by verifying request legitimacy on both the client and backend services.