CHE QUANG HUY

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Software Engineer

SUMMARY

Software Engineer with 3.5 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.   **Aug 2022 – Mar 2024**
Junior Software Engineer   *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.   **May 2022 – Aug 2022**
Intern Back-end Developer   *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

- **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,...
- **Live Project:** 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.