



NGUYEN XUAN HAI

FULL-STACK DEVELOPER

PROFILE

- 📞 0929501116
- ✉️ xuanhai0913750452@gmail.com
- 📍 Ho Chi Minh City
- 🌐 Portfolio : nxhai0913.me

SKILLS

SOFT SKILLS

- Communication Teamwork
- Problem Solving
- Time Management
- Proficient in Office

TECHNICAL SKILLS

- Programming Languages:
 - C++
 - JavaScript
 - Python
- Web Development:
 - HTML
 - CSS
 - React
 - Node.js
- Database Management:
 - SQL
 - MySQL
- Version Control:
 - GitHub
- Development Tools:
 - Visual Studio
 - VS Code

INTERESTS

- Continuous Learning: Passionate about exploring new frameworks

EDUCATION

INFORMATION TECHNOLOGY MAJOR

2022 - 2026

Ho Chi Minh City University of Transport

- Studying and working effectively
- Earned honors in key coursework
- Mastered skills with practical applications

HONORS & AWARDS

2023 House of Many Leaves volunteer certificate

2025 ECH Volunteer Certificate

CERTIFICATIONS

2023 Basic office information technology

2024 Certificate in accounting and auditing

ACTIVITIES

VOLUNTEERS

September 2023 - October 2023

The house has many leaves

Participate and work with society as well as heal yourself

VOLUNTEERS

October 2024 - Present

English community house

Create a website to support teaching English to the disabled and people in difficult circumstances. (ech.edu.vn)

PERSONAL PROJECT

FRONTEND DEVELOPER

March 2025 - Present

My Portfolio – Personal Website

• Project Size:

- Fully self-developed personal project.

• Technologies Used:

- ReactJS, JavaScript (ES6+).
- HTML5, CSS3, TailwindCSS.
- React Router DOM.
- AOS (Animate On Scroll), React Icons.
- Git, GitHub, and Vercel for CI/CD deployment.

• Experience Description:

- As a Frontend Developer, I created a personal portfolio website to showcase my skills, projects, and contact information. The website is fully responsive, built with ReactJS and styled using TailwindCSS for a modern, clean interface.
- I implemented smooth scrolling animations using AOS and organized the site with clear sections like About, Skills, Projects, and Contact.
- This project served as a practical application of component-based development, state management, and routing in React.
- It is hosted on a custom domain using GitHub and deployed via Vercel with continuous integration.

• GITHUB: <https://github.com/xuanhai0913/My-Portfolio-NXH>

and technologies in both front-end and back-end development.

- Community Engagement: Actively involved in local tech communities, contributing to open-source projects, and participating in hackathons to collaborate with like-minded professionals.

- WEBSITE: <https://www.hailamdev.space>

MACOS DEVELOPER

December 2025 - December 2025

Vision Key – AI Screen Assistant

- Project Size:
 - Fully self-developed personal project.
- Technologies Used:
 - Swift 5.9+, SwiftUI, AppKit.
 - Google Gemini 2.5 Pro API.
 - Carbon Framework (Global Hotkey).
 - macOS Security Framework (Keychain).
 - Git and GitHub for version control.
- Experience Description:
 - As a macOS Developer, I built a native menu bar application that integrates Google Gemini AI for intelligent screen capture analysis.
 - I implemented global hotkey functionality (⌘+↑+) using Carbon Framework, allowing users to capture screens from anywhere in the system.
 - Developed two answer modes (Multiple Choice & Essay) with customizable expert roles for more accurate AI responses.
 - Implemented secure API key storage using macOS Keychain to protect user credentials.
 - This project demonstrates proficiency in native macOS development, API integration, and building user-friendly desktop applications.
- GITHUB: <https://github.com/xuanhai0913/Vision-Key>

BACKEND DEVELOPER

October 2025 - December 2025

ECH (English Community House) - Learning Management System

- Project Size:
 - Fully self-developed personal project.
- Technologies Used:
 - ASP.NET Core 8.0 MVC, Entity Framework Core 8.0.
 - SQL Server, ASP.NET Core Identity (Authentication & Authorization).
 - Cloudinary (File Storage), MailKit (SMTP Email).
 - QuestPDF (PDF Generation), ClosedXML (Excel Export).
 - JWT Authentication, RESTful API.
 - Bootstrap 5, jQuery, JavaScript (ES6+).
 - Git and Windows IIS for deployment.
- Experience Description:
 - As a Backend Developer, I built a complete Learning Management System (LMS) from scratch using ASP.NET Core 8.0 MVC with a clean, scalable architecture following best practices.
 - Built comprehensive features including: Course Management System (CRUD with video lessons, quizzes, assignments), User Authentication (email confirmation, password reset, Google OAuth), Role-based Authorization (Admin, Instructor, Student), Payment System (orders, transactions, coupons), and Certificate Generation (PDF with QuestPDF).
 - Implemented 12+ services with interface-based dependency injection: Progress Tracking (auto-complete at 90% video), Notification System, Messaging System, Cloud Storage (Cloudinary), Email Service (HTML templates).
 - Deployed to production on Windows IIS with security headers, response compression (Brotli/Gzip), and 7-day static file caching.
- GITHUB: <https://github.com/xuanhai0913/ech-asp>
- WEBSITE: <https://ech.edu.vn>

PYTHON DEVELOPER

October 2025 - December 2025

LLM-Powered Unit Test Generation – Personal Project

- Project Size:
 - Fully self-developed personal project.
- Technologies Used:
 - Python 3.8+.
 - Deepseek API (Large Language Model Integration).
 - Requests library for HTTP client.
 - Pytest, pytest-cov for testing.
 - Black, Flake8, Pylint, Mypy for code quality.
 - Python-dotenv for environment management.
 - Git and GitHub for version control.
- Experience Description:
 - As a Python Developer, I created an intelligent application that leverages Large Language Models (Deepseek) to automatically generate comprehensive unit tests based on provided code and specifications.
 - I implemented a modular architecture including API Client, Test Generator Engine, Prompt Engineering, and Code Analyzer modules for clean code organization and maintainability.
 - I designed and developed the core test generation engine that analyzes source code and generates meaningful, comprehensive unit tests supporting multiple frameworks (pytest, unittest).
 - I documented the project thoroughly with installation guides, usage instructions, and API references in both English and Vietnamese.
- GITHUB: <https://github.com/xuanhai0913/LLM-Unit-tests>

FULLSTACK DEVELOPER

July 2025 - November 2025

Great Link Mai House – Digital Publishing Platform

- Project Size:
 - Fully self-developed personal project.
- Technologies Used:
 - ASP.NET Core 8.0, C#, Entity Framework Core
 - Microsoft SQL Server
 - ASP.NET Core Identity, JWT Authentication, Google OAuth
 - SignalR (Real-time notifications)
 - Cloudinary CDN, SendGrid API, OpenAI API
 - Bootstrap 5, jQuery, Font Awesome
 - Git and Plesk Panel for deployment
- Experience Description:
 - Developed a professional Content Management System (CMS) for digital publishing with multi-role hierarchy (Admin, Editor, Author, User) and complete article workflow management (Draft → Review → Publish).
 - Implemented secure authentication system using ASP.NET Core Identity with JWT Bearer tokens and Google OAuth integration for social login.
 - Built real-time notification system using SignalR Hub to enhance user engagement and communication.
 - Integrated Cloudinary CDN for professional image management with automatic optimization, resize, and WebP conversion capabilities.
 - Developed comprehensive Admin Dashboard with analytics, user management, category management, newsletter system, and comment moderation features.
 - Built RESTful API architecture with proper service layer pattern (Repository Pattern) for maintainable and scalable codebase.
 - Deployed application on production server using Plesk Panel with proper environment configuration and database migration.
- GITHUB: <https://github.com/xuanhai0913/greatlinkmaihouse>
- WEBSITE: <https://greatlinkmaihouse.com>

