



# NGUYEN XUAN HAI

## FULL-STACK DEVELOPER

### PROFILE

- 📞 0929501116
- ✉️ xuanhai0913750452@gmail.com
- 📍 Ho Chi Minh City
- 📁 Portfolio : hailamdev.space

### 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

### 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

### CERTIFICATIONS

- 2023 Basic office information technology
- 2024 Certificate in accounting and auditing
- 2025 Gemini Certified University Student
- 2025 Code a Joke-Telling Talkbot
- 2025 Volunteer Participation Certificate

### 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](http://ech.edu.vn))

### PERSONAL PROJECT

#### FULLSTACK DEVELOPER

February 2026 - Present

#### Betodemy – Japanese Learning Platform

- Technologies Used:
  - Frontend: React 19, Vite, React Router, TailwindCSS 4, HeroUI.
  - Backend: NestJS 11, TypeORM, PostgreSQL.
  - Realtime & Background Jobs: Socket.IO, Redis, BullMQ.
  - Editor & Learning System: SlateJS, PlateJS, interactive exercise blocks.
  - DevOps & Tooling: Nx monorepo, pnpm, ESLint, Prettier, GitLab CI/CD.
- WEBSITE: <https://betodemy.com>

#### FRONTEND DEVELOPER

March 2025 - Present

#### My Portfolio – Personal Website

- Updated the portfolio with an AI Assistant (Gemini) to answer questions about CV, projects, and contact details, plus enhanced interactive 3D/scroll animations and SEO/structured data.
- 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.
- GITHUB: <https://github.com/xuanhai0913/My-Portfolio-NXH>

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

## FULLSTACK DEVELOPER

October 2024 - January 2026

### VN Media Hub (CMS & Media Platform)

#### Technologies Used:

- Backend: ASP.NET Core 8.0 Web API, Entity Framework Core 8.0, SQL Server.
- Frontend: React 18, Vite, React Router DOM, Axios, Framer Motion (Animations), Tailwind CSS/Bootstrap.
- Authentication & Security: JWT (JSON Web Tokens), Google OAuth2 Integration, reCAPTCHA v3, Spam Detection, Content Moderation Service.
- DevOps & Tools: Docker, Serilog (Structured Logging), Swagger/OpenAPI, Git, IIS Deployment.
- Performance: Redis/Memory Cache, Brotli/Gzip Response Compression, Image Optimization Service.
- Libraries: QuestPDF (PDF Export), FluentValidation, AutoMapper, React Quill (Rich Text Editor).

• WEBSITE: <https://vnmediahub.com/>

## FULLSTACK DEVELOPER

October 2024 - Present

### ECH (English Community House) - Learning Management System

#### Technologies Used:

- Backend: ASP.NET Core 8.0 MVC, RESTful API, Entity Framework Core 8.0, SQL Server.
- Frontend: Bootstrap 5, JavaScript (ES6+), jQuery, HTML5/CSS3.
- Authentication & Security: ASP.NET Core Identity, JWT (JSON Web Tokens) for API security, Role-based Authorization (Admin, Instructor, Student), Security Headers (CSP, XSS Protection).
- Integrations & Services:
  - Cloudinary: Cloud-based scalable image and media storage.
  - MailKit (SMTP): Robust email delivery service for notifications and account verification.
  - QuestPDF: High-performance PDF generation for dynamic course certificates.
  - ClosedXML: Excel report generation and data export.
- DevOps & Tools: Git, Swagger/OpenAPI, Windows IIS Deployment.

• WEBSITE: <https://ech.edu.vn>

## MACOS DEVELOPER

December 2025 - December 2025

### Vision Key – AI Screen Assistant

#### 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.

• LANDING: <https://visionpremium.hailamdev.space>

• GITHUB MACOS: <https://github.com/xuanhai0913/Vision-Key>

• GITHUB EXTENSION PRO: <https://github.com/xuanhai0913/Extension-Vision-Premium>

• GITHUB EXTENSION: <https://github.com/xuanhai0913/Extension-Vision-Key>

## PYTHON DEVELOPER

October 2025 - December 2025

### LLM-Powered Unit Test Generation – 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.
- GITHUB: <https://github.com/xuanhai0913/LLM-Unit-tests>
  - DEMO: <https://www.hailamdev.space/videos>