

Nguyễn Xuân Hải

Full-Stack Developer | React | ASP.NET Core | NestJS | AI Integration

Building production LMS, CMS, B2B platforms and AI-powered developer tools.



Nguyễn Xuân Hải

FULL-STACK DEVELOPER

CONTACT

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LOCATION

Ho Chi Minh City, Vietnam

PORTFOLIO

hailamdev.space

GITHUB

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LINKEDIN

linkedin.com/in/xuanhai0913

BEST MATCH ROLES

- Full-Stack Developer
- React Developer
- .NET / NestJS Developer
- AI Integration Engineer

CORE STACK

- React 18/19, Vite
- ASP.NET Core 8
- NestJS, Node.js
- PostgreSQL, SQL Server
- Redis, BullMQ, Socket.IO
- Gemini, DeepSeek, OpenAI
- Docker, Vercel, CI/CD

Recruiter Snapshot

2+ years shipping real products across frontend, backend, databases, auth, realtime features, reporting, deployment and AI integration. Strong fit for junior/mid full-stack roles needing React + .NET/NestJS execution.

2+ yrs

hands-on product work

9+ projects

portfolio & production apps

Full stack

UI, API, data, deploy

SELECTED EXPERIENCE

Full-Stack Developer - Betodemy - Japanese Learning Platform

Feb 2026 - Present

Stack: React 19, Vite, Tailwind CSS 4, HeroUI, NestJS 11, TypeORM, PostgreSQL, Redis, BullMQ, Socket.IO, Nx, pnpm, GitLab CI/CD

Link: <https://betodemy.com>

- Build and maintain modules for student portals, teacher-led online classes, admin workflows, gamified practice, and multilingual learning content.
- Develop interactive exercise blocks and rich editor workflows with SlateJS/PlateJS, plus realtime classroom and background job features with Socket.IO, Redis and BullMQ.

Full-Stack Developer / Volunteer - ECH English Community House - LMS

Oct 2024 - Present

Stack: ASP.NET Core 8 MVC/API, Entity Framework Core, SQL Server, Bootstrap 5, JavaScript, ASP.NET Identity, JWT, Cloudinary, MailKit, QuestPDF, ClosedXML, IIS

Link: <https://ech.edu.vn>

- Developed a learning management system for a community English program serving disabled learners and people in difficult circumstances.
- Implemented course/content management, role-based access, secure authentication, media storage, email notifications, certificate generation and Excel/PDF reporting.

Full-Stack Developer - VN Media Hub - CMS & Media Platform

Oct 2024 - Jan 2026

Stack: React 18, Vite, ASP.NET Core 8 Web API, Entity Framework Core, SQL Server, JWT, Google OAuth2, reCAPTCHA v3, Redis/Memory Cache, Serilog, Docker, QuestPDF

Link: <https://vnmediahub.com>

- Built a CMS/media platform covering content management, authentication, moderation, SEO-friendly publishing and automated PDF/report exports.
- Improved reliability and performance with structured logging, cache layers, Brotli/Gzip compression, image optimization and API documentation.

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PROJECT EVIDENCE

LINKS

PORTFOLIO

hailamdev.space

BETODEMY

betodemy.com

ECH

ech.edu.vn

VN MEDIA HUB

vnmediahub.com

VISION KEY

visionpremium.hailamdev.space

CERTIFICATIONS

- Gemini Certified Student
- Gemini Certified Faculty
- Google AI for K12
- Code a Joke-Telling Talkbot
- Basic Office IT

WORKING STYLE

- Owns UI to API delivery
- Writes practical docs
- Comfortable with CI/CD
- Community volunteer work

MORE EXPERIENCE & AI PROJECTS

Full-Stack Developer - Great Link Mai House - Digital Publishing Platform

Jul 2025 - Present

Stack: ASP.NET Core 8, React 18, SignalR, SQL Server, JWT, Google OAuth, Cloudinary, SendGrid, OpenAI API

Link: <https://greatlinkmaihouse.com>

- Rebuilt a business publishing platform with a modern API/frontend architecture, secure authentication, realtime features and third-party service integrations.
- Delivered production-facing features for a media and B2B environment with attention to scalability, maintainability and operational handoff.

macOS / AI Developer - Vision Key - AI Screen Assistant

Dec 2025

Stack: Swift 5.9+, SwiftUI, AppKit, Google Gemini 2.5 Pro API, Carbon global hotkey, macOS Keychain, Chrome extensions

Link: <https://visionpremium.hailamdev.space>

- Built a macOS AI screen assistant with secure API key storage, global hotkeys and Gemini-powered workflows for on-screen productivity.
- Published supporting landing page and browser extension repositories for standard and premium usage flows.

Frontend / Python Developer - Portfolio AI Assistant & LLM Unit Test Generator

Mar 2025 - Present

Stack: React, JavaScript, Three.js, GSAP, Gemini/DeepSeek APIs, Python 3.8+, pytest, pytest-cov, Black, Flake8, Pylint, Mypy, Vercel

Link: <https://www.hailamdev.space>

- Enhanced personal portfolio with an AI assistant that answers recruiter questions about CV, projects, contact details and job-fit context.
- Built an LLM-powered unit test generation project using DeepSeek API, Python tooling, coverage reporting and code-quality checks.

TECHNICAL MATRIX

Frontend

React 18/19, Vite, JavaScript, TypeScript, Tailwind CSS, Bootstrap, HeroUI, GSAP, Framer Motion, Three.js, SlateJS.

Backend

ASP.NET Core 8, NestJS, Node.js/Express, REST APIs, EF Core, TypeORM, JWT, OAuth2, ASP.NET Identity.

Data & Infra

PostgreSQL, SQL Server, MySQL, Redis, BullMQ, Socket.IO, SignalR, Docker, IIS, Vercel, GitLab CI/CD, Nx.

AI & Quality

Gemini API, DeepSeek API, OpenAI API, AI assistant workflows, pytest, coverage, linting, Serilog, QuestPDF.

EDUCATION, CERTIFICATIONS & COMMUNITY

Education

Ho Chi Minh City University of Transport - Information Technology major, 2022 - 2026.

Certifications & Activities

Gemini Certified University Student; Gemini Certified Faculty; Google AI for K12 Educators; Code a Joke-Telling Talkbot; Basic Office IT; Accounting and Auditing; English Community House volunteer.