

# Nguyen Bao Huy

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💎 Phan Thanh, Thanh Khe, Da Nang

## PROFESSIONAL SUMMARY

A highly passionate and results-driven individual with over one year of practical experience focused on **Backend Development**. Specialized in building robust and scalable systems using **ASP.NET Core** and **SQL Server**, complemented by proficiency in **Node.js (Express.js)** and **MongoDB/MySQL**. Solid understanding of Object-Oriented Programming (**OOP**) and experienced in designing and developing secure **RESTful APIs**. Capable of managing source code using **GitHub** and applying the **Git Flow** workflow. Seeking an Internship position to contribute to innovative projects and further develop expertise.

## EDUCATION

**University of Science and Education - The University of Da Nang**

Da Nang, Vietnam

*Bachelor of Science in Information Technology (GPA: 3.43 / 4.0)*

*2023 – Present*

## TECHNICAL SKILLS

**Back-End:** C#, ASP.NET Core (API/MVC), Node.js (Express), PHP (Laravel), EF Core, LINQ, JWT, Dependency Injection, OAuth2, Webhook

**Front-End:** HTML5, CSS3, JavaScript, Bootstrap, React.js

**Databases:** Microsoft SQL Server, MySQL, MongoDB Atlas

**Tools & Cloud:** Git (Git Flow), GitHub, GitLab, Postman, Insomnia, Swagger, Visual Studio, VS Code, Cloudinary, Firebase

**Languages:** English (Conversational / Reading Technical Documentation)

## PROJECTS

**Calendar Scheduling System** | *ASP.NET Core, SQL Server, JavaScript, Bootstrap* Contract Project (2025)

- Delivered a custom scheduling module inspired by Google Calendar, **translating specific client requirements** into a functional product.
- Designed and built **RESTful APIs** in ASP.NET Core to manage calendar events and user interactions.
- Implemented complex backend business logic for date-time handling, recurring events, and schedule validation.
- Integrated backend APIs with a JavaScript-based calendar UI to handle real-time user actions.
- Ensured data consistency and validation to meet **production standards** and client acceptance criteria.

**SmartConnect** | *ASP.NET Core MVC, SQL Server, Bootstrap, HTML/CSS* Academic Project (3 months)

- Developed the complete user interface using **HTML5, CSS3, Bootstrap** and integrated it into **ASP.NET Core MVC (Razor Views)**.
- Designed and implemented core business logic with full CRUD functionality following a layered architecture.
- Built the data access layer using **Entity Framework Core** and applied **AutoMapper** to decouple data transfer (DTOs).
- Implemented secure user authentication and **Role-Based Access Control (RBAC)** using ASP.NET Core Identity.

## SELF-STUDY & DEVELOPMENT

**AI & Backend Integration** | *FAISS, Python, ASP.NET Core*

Ongoing

- Developing a Chatbot system integrating FAISS for vector similarity search and Logistic Regression for intent classification.
- Implementing communication between Python AI services and ASP.NET Core backend to optimize response latency.

**Advanced Software Architecture** | *Clean Architecture, Docker*

Ongoing

- Actively researching and implementing **Clean Architecture** to ensure code scalability and maintainability.
- Studying **\*\*Docker\*\*** containerization to optimize development environments and deployment workflows.

**Independent Problem Solving**

Ongoing

- Developed strong research skills using Microsoft Official Documentation to resolve complex technical issues.