

# Dong Hieu Dat (Tedy Dev) – Full Stack Web Application Developer

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## SUMMARY

I am an active, creative and enthusiastic programmer in everyday life. I am a fast learner with a self-taught attitude. I love learning and exploring new technologies and am passionate about problem solving. I love almost all web application development stacks and love making the web more open to the world. My core skills are based on C# and I love doing almost everything in C#. I am open to any type of job opportunity that suits my skills and interests.

With my knowledge of UI/UX design, I enjoy solving front-end problems and creating the best user experience for users. I also spend time learning new technologies and best practices to optimize my system at the back-end to become a better programmer.

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## WORKING EXPERIENCE

### Intern Full Stack Developer- *Vietnam NOK Co., Ltd.*

*January 2024 - Present*

As an intern at Vietnam NOK Co., Ltd. I am responsible for converting requirements into products using modern technology and collaborating with senior team members to ensure code quality.

❖ **Project:** Business Device Management Professional – BDMPPro (1 members)

- **Description:** A web application that provides device management and user administration features, decentralization - highly professional and full of important features.
- **Technologies:**
  - Programming Languages: C#, C# LINQ, jQuery, HTML, CSS, JS.
  - Framework: Entity Framework (EF), ASP.NET MVC 5, Bootstrap.
- **Responsibilities:**
  - System Analysis and Design:
    - Analyzed business requirements and gathered information from users to identify essential features for the application.
    - Designed the system architecture, including data models, workflows, and user interfaces.
    - Created detailed system design documentation, including UML diagrams, functional specifications, and technical guidelines.
  - Application Development:
    - Wrote source code for all application components, including the backend layer (C#, C# LINQ, Entity Framework), frontend layer (HTML, CSS, JS, jQuery),

- and RESTful APIs.
  - Utilized ASP.NET MVC 5 to build the MVC structure for the application.
  - Integrated the jQuery library to manipulate the DOM and enhance user experience.
  - Applied the MVC design pattern to separate source code into distinct layers for better maintainability and scalability.
  - Testing and Deployment:
    - Developed unit tests and integration tests to ensure code quality.
    - Employed automated testing tools for continuous testing.
    - Deployed the application to the production environment and monitored performance.
    - Troubleshoot issues and improved the application based on user feedback.
  - Maintenance:
    - Updated the application with new features and bug fixes as needed.
    - Monitored application performance and implemented optimization measures when necessary.
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## TECHNICAL SKILLS

### ★ Back-End:

- **Languages:** C#.
- **Framework:** ASP.NET Core MVC, ASP.NET MVC, Web API.
- **ORM:** Entity Framework Core, Entity Framework.
- **Database:** SQL Server, PostgreSQL, MySQL.

### ★ Cloud and DevOps:

- **Platform:** Azure.
- **Tools:** Git, GitHub Actions, GitHub.

### ★ Front-End:

- **Frameworks:** Next.js, ReactJS
- **Languages:** JavaScript
- **Knowledge:** HTML, CSS
- **Libraries:** Bootstrap, jQuery
- **Tools:** Canva, Photoshop, Figma.

### ★ Tools:

- **API Testing Tool:** Postman.
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## SOFT SKILLS

I prioritize communication, teamwork, creativity, empathy, accountability, patience, confidence, collaboration, and time management.

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# PROJECTS

## School Management & Exam Online - EduVision

I have built a school management & Online Exam web application. I worked on this project as a full-stack developer for back-end development and UI design.

- **Description:** A web application that provides student management features, resources, question libraries, exams, etc. applicable to educational environments including schools and private education centers. Ensure high level of expertise and professionalism.
- **Technologies:**
  - Programming Languages: C#, C# LINQ, jQuery, HTML, CSS, JS.
  - Framework: Entity Framework Core (EF Core), ASP.NET Core MVC (.NET 6), Bootstrap 5.
  - Credits: Charts.js, bootstrap-datepicker.js, choices.js.
- **Responsibilities:**
  - Develop server-side processing code, communicating with SQL Server through C# and Entity Framework Core.
  - Design and develop user interfaces using Bootstrap, JavaScript, CSS, HTML and other necessary libraries.
  - Schedule the exam's start and end dates. Students can start the exam between the start date and the end date. Which means that they can click the start button when the start date is reached, and they cannot click the start button after the end date.
  - Choose whether or not to display the question and answer to the students. If the admin or teacher chooses not to display them, then the students will only see their grade and not know which questions they answered correctly or incorrectly.
  - Regrading. If the administrator or teacher makes a mistake by selecting the wrong answer as the correct answer, they can change the answer, and the students' grades will be recalculated automatically.
  - Strict exam: students cannot skip questions. They must save the answer to the current question before proceeding to the next question. If they click the next button without saving the answer to the current question, they will be redirected to the current question.
  - Set a time limit for the exam (The Duration field in the exam create page). A countdown timer will be started based on the time limit set by the admin or teacher.
  - Multilanguage: en (English), vi (Vietnamese), zh (Chinese), ms (Malay), ar (Arabic), ja (Japanese).
  - RTL for Arabic language.

## User And Role Management System - URMS

I have designed and developed a full-stack web application, working solo from requirement analysis to production deployment.

- **Description:** A web application that provides student management features, resources, question libraries, exams, etc. applicable to educational environments including schools and private education centers. Ensure high level of expertise and professionalism.

- **Technologies:**
  - Programming Languages: C#, C# LINQ, jQuery, HTML, CSS, JS.
  - Framework: Entity Framework Core (EF Core), both ASP.NET Core MVC (.NET 6) and ASP.NET MVC (.NET Framework 4.7.2) are included, Bootstrap 5.
  - Credits: Charts.js, bootstrap-datepicker.js, choices.js.
- **Responsibilities:**
  - Developed a user and role management web application using ASP.NET Core MVC and also with ASP.NET MVC, utilizing C# and Entity Framework Core for data management.
  - Designed a responsive user interface with Bootstrap 5, including standard home page, registration, login, forgot password, and user profile management pages.
  - Implemented user management features such as adding, editing, deleting users, and managing their roles.
  - Built a role permission system, allowing administrators to assign permissions and roles to users.
  - Integrated file upload and download functionality, enabling users to manage attachments related to their profiles.
  - Implemented search and pagination features in the data table, making it easy for users to search and view information.
  - Supported forgot password and password reset via email, ensuring security and privacy for users.
  - Used ASP.NET Core Identity for authentication and authorization, ensuring high security for the system.
  - Created detailed documentation (well-documented) to help users understand how to use the application and its features.
  - Deployed the application in a production environment, ensuring performance and readiness for real-world usage.

## Hotel Management & Booking – Beyond Hotel

Beyond Hotel is a web application used in hotel management. We are using Flutter and Express in this project. I am responsible for suggesting API and lead developer ideas and solutions for the front end.

- **Description:** This project is to be a comprehensive hotel management system. It includes functionalities for room reservation, discount management, service ordering, and user authentication. The system also integrates with VNPay and Momo for payment processing and Firebase for user authentication and file storage. It also includes a chat feature for reservations and a rating system for rooms.
- **Technologies:**
  - Programming Languages: C#, C# LINQ, jQuery, HTML, CSS, JS.
  - Framework: ASP.NET MVC, API, Bootstrap, Angular.
- **Responsibilities:**
  - The system allows for the management of rooms, including creating, updating, and deleting rooms.
  - Users can make reservations, and administrators can view and manage these reservations.
  - Administrators can create and manage discounts, which can be applied to reservations.
  - The system integrates with VNPay to process payments for reservations.

- Users can register, log in, and manage their profiles using Firebase Auth.
  - Files, such as room images, can be uploaded and stored using Firebase Storage.
  - Users can order services, such as room service, through the system.
  - Users can rate rooms, and these ratings are stored and displayed.
  - Users can chat about reservations within the system.
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## EDUCATION

### FPT Polytechnic High School (FPT PTC)

- **Major:** Software Application.
- **Enrollment:** 2021 – 2025.
- **Expected Graduation:** October 2025.
- **Academic Achievements:**
  - Consistently ranked among the top 5 students with outstanding academic achievements at the institution (awarded 7 times).
- **Projects:**
  - **Library Management System:** Developed a software application to manage library operations, including book cataloging, circulation, and patron management.
  - **Dormitory Management System:** Created a software solution to streamline dormitory management tasks, including room assignments, maintenance requests, and fee collection.
  - **Student Management System:** Designed and implemented a software platform to effectively manage student information, including enrollment records, academic progress, and attendance tracking.