Surya . A
Full Stack Dotnet Developer

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Professional Summary

Highly organized and dedicated **Full Stack .NET Developer** with hands on experience in designing, developing, and deploying web applications using the **.NET Framework and .NET Core.** Skilled in **ASP.NET, C#, SQL Server ,and Front-end technologies HTML, CSS, JavaScript, Bootstrap.** Proficient in creating and optimizing **Stored procedures, Functions, and Queries** for efficient database performance.

Experience

Software Trainee | Cloud service for all | Chennai

Worked on a Software Trainee at Cloud Service For All, Chennai for **1 year and 1 month**, handling **Full Stack Development** including both front-end and back-end operations.Worked in roles such as **.NET MVC Developer, Front-end Developer, Back-end Developer, and SQL Developer.**Developed and maintained web applications using **ASP.NET, C#, SQL Serve**r, **and JavaScript,** implementing responsive UI designs with **HTML, CSS,** and **Bootstrap**.Created and optimized **Stored procedures, Functions, Views, and SQL queries** for **Database management**.

Technical Skills

Programming Languages : C#, JavaScript, HTML5, CSS3, SQL

Front End Skills   : HTML, CSS, JavaScript, Bootstrap

Language   : Dotnet

Framework   : ASP.NET,.NET Core, Entity Framework, ADO.NET

Tools   : Visual Studio, SQL Server Management Studio(SSMS)

Version Control   : GitHub

Database   : SQL server

Roles and Responsibilities:

- As a **C# .Net Developer,** I played the role in **designing, developing, and maintaining** software applications. Collaborate with cross functional teams to deliver high-quality solutions that meet our client' needs.
- Strong experience in development of Web based application.
- Good Knowledge in **HTML, CSS, JavaScript, and Bootstrap.**
- Created and managed **C# Classes, Objects, and Functions**, implementing **OOP concepts** effectively.
- Developed and consumed **RESTful APIs** for seamless front-end and back-end technology.
- Implemented Parameters**, ViewBag, ViewData, and TempData** for data transfer. Applied **MVC filters** and optimized performance.
- Optimized **Stored procedures, Functions, and SQL queries** to ensure robust and efficient application performance.
- Designed and developed SQL Server relational databases, ensuring proper **Normalization** and performance optimization using **Indexes, Joins, and Views.**
- Worked with **C# Features** such as **Properties, Constructors, Events, Delegates, and Interfaces.**
- Applied **Debugging, Exception Handling** techniques to ensure system stability.
- Passionate about coding, problem-solving, and staying up-to-date with latest technologies as a Full Stack Developer.
- Database design and development skills, preferable with **SQL Server relational databases**.
- Collaborate with software architects and engineers to understand requirements and design efficient solutions.
- **Troubleshoot, debug, and resolved** software Issues in a timely manner.
- Provided technical support for our projects.
- Used **Access Specifiers** to ensure encapsulation and secure class design.
- Good analytical and programming skills.
- Used **GitHub** for version control and code collaboration.

Projects

1. Project Name   **: Chowdhurys Library**

   Client Name   **:** Cowdhurys

   My Role   **:** Database Developer , .Net Core Developer

   Duration   **:** 4 Months

   Team members   **:** 6

   Language Used   **:** C# and SQL

   Framework   **:** Dotnet 4.8

   Software Used   **:** MS SQL Server 2022, Visual Studio 2022

Project Description :

Chowdhurys Library Developed a web-based application for automating library operations using **ASP.NET Core MVC** and **SQL Server**. The system includes modules for book issue, return, fine calculation, member registration, and report generation. Designed interactive Razor views with server-side validation and efficient data handling through Entity Framework Core. Implemented business logic for fine computation and dynamic report filtering. Focused on modular architecture, clean code practices, and optimized **SQL queries** to enhance performance and maintainability.

Roles and Responsibilities:

- Designed and developed the entire application using **ASP.NET Core MVC** and **C#**.

- Created interactive **Razor Views** for user interfaces like book issue, return, fine, and reports.

- Connected the application to **SQL Server** using **Entity Framework Core** for data access.

- Designed Database tables and relationships for book, member, and fine details.

- Handled form **Validation, Exception handling**, and smooth navigation between modules.

2. Project Name : Guddu pet shop

Client Name : Guddu

My Role : Dotnet MVC Developer, Database Developer , .Net Core Developer

Duration : 4 Months

Team members : 6

Language Used : C# and SQL

Framework : Dotnet 4.8

Software Used : MS SQL Server 2022, Visual Studio 2022

Project Description

Guddu Pet Shop is a web-based application designed to automate day-to-day operations of a pet shop. The system covers functionalities such as managing pet information, customer profiles, appointment scheduling, and generating sales reports. It follows the MVC architecture and ensures seamless interaction between users and the database through a secure and user-friendly interface.

Roles and Responsibilities:

- Developed responsive user interfaces using **Razor Views**, **Bootstrap, and HTML** to enhance user experience and accessibility.
- Implemented **Three-Tier Architecture** Layers) to maintain code separation and scalability.
- Implemented backend functionality using C# for processing customer requests, scheduling appointments, and managing services.
- Utilized **ADO.NET** for seamless interaction between the application and **SQL** Server database.
- Created dynamic views to handle pet listings, customer profiles, and appointment summaries with real-time data rendering.
- Integrated validation mechanisms at both frontend and backend to ensure data consistency and prevent user errors.

3. Project Name   : Malar Clinic

Client Name   **:** Subhashini S

My Role   **:** Dotnet MVC Developer, Database Developer , .Net Core Developer

Duration   **:** 4 Months

Team members **:** 6

Language Used **:** C# and SQL

Framework   **:** Dotnet 4.7.2

Software Used   **:** MS SQL Server 2022, Visual Studio 2022 v4.7

Project Description

Malar Clinic is a web-based application developed using ASP.NET Web Forms to digitalize and streamline the clinic's day-to-day operations. The system enables efficient handling of patient information, doctor schedules, appointments, medical records, and billing processes. It features a role-based access structure for admin, doctors, and staff, ensuring data security and operational efficiency. The application integrates a responsive user interface with a secure SQL Server backend, supporting smooth data interaction and report generation.

Roles and Responsibilities:

- Designed user interfaces using ASP.NET Web Forms, HTML, and Bootstrap for smooth interaction and responsive layout.
- Prevented SQL **Deadlocks** by using proper transaction handling and query optimization.
- Utilized **ADO.NET** to establish secure and efficient data transactions with the SQL Server backend.
- Structured patient and doctor modules with clear navigation and search functionalities for better data handling
- Ensured optimal memory management through .NET **Garbage Collection** techniques.
- Implemented backend functionality using C# for processing patients requests.

Additional Projects

1. Project Name : **Student Info Core**

    Language Used **:** C# and SQL

    Framework **:** Dotnet 4.7.2

    Software Used **:** MS SQL Server 2022, Visual Studio 2022 v4.7

Project Description:

The Student Information System using .NET Core **API** is designed to manage student information such as personal details, course enrollment, batch, and academic status. The Core API provides a structured backend to interact with the SQL Server database, ensuring secure data handling and business logic implementation. It supports efficient data storage, retrieval, and updates, enabling institutions to maintain accurate and well-organized student records.

GitHub link:https:https://github.com/Surya-1805

2. Project Name : **Student Info Core Web**

    Language Used **:** C# and SQL

    Framework **:** Dotnet 4.7.2

    Software Used **:** MS SQL Server 2022, Visual Studio 2022 v4.7

Project Description:

The Student Information with Web API exposes services that allow different client applications to access and manage student data. The Web API enables smooth communication between the frontend application and the backend database, ensuring real-time access to student information like personal details, Degree, and academic records. It provides scalability, security, and easy integration, making student management more efficient and reliable for educational institutions with secure SQLserver database backend and reports.

GitHub link: https://github.com/Surya-1805

3. Project Name   **: Chowdhurys Library**

    Language Used   : C# and SQL

    Framework   **:** Dotnet 4.7.2

    Software Used   : MS SQL Server 2022, Visual Studio 2022 v4.7

Project Description:

A desktop-based library developed using Windows Forms and C#. The system handles essential library operations such as book issuing, returning, member registration, fine tracking, and report generation.librarians to manage data efficiently, with secure SQL Server integration for all database activities.The Application includes user friendly interface and a secure database to support ensuring easy access and retrieval of information from essential reports.

GitHub link: https://github.com/Surya-1805

4. Project Name   **: Arun Departmental Store**

    Language Used   : C# and SQL

    Framework   **:** Dotnet 4.7.2

    Software Used   : MS SQL Server 2022, Visual Studio 2022 v4.7

Project Description:

Arun Department Store is a web-based inventory and sales developed using the ASP.NET MVC framework. The application is designed to efficiently handle product listings, supplier details, customer information, and sales reports. With a clean MVC architecture and responsive user interface, the system ensures smooth data flow between modules, secure access for users, and centralized control over daily store operations. The backend is powered by SQL Server Stored procedure with **Entity Framework** for seamless data interaction.Used **Dependency Injection** to manage object dependencies and improve code maintainability.

GitHub link : https://github.com/Surya-1805

5. Project Name   : Employee Certification

   Language Used   : C# and SQL

   Framework   : Dotnet 4.7.2

   Software Used   : MS SQL Server 2022, Visual Studio 2022 v4.7

Project Description

Employee Certification is a web based application designed to monitor and manage the certification records of employees within an organization. It ensures that employee credentials are maintained accurately and compliance is upheld. Built using ASP.NET MVC, the system integrates a secure login, structured workflows, and SQL Server backend for efficient data handling and reporting.Used **Model Binding** in MVC controllers for efficient form data handling between View and Controller.

GitHub link : https://github.com/Surya-1805

6. Project Name   : Lakshmi Jewellery shop

   Language Used : C# and SQL

   Framework   : Dotnet 4.7.2

   Software Used   : MS SQL Server 2022, Visual Studio 2022 v4.7

Project Description:

Lakshmi Jewellery Shop is a web-based application developed using ASP.NET to manage the core operations of a retail jewellery store. The website allows customers to view available jewellery collections, filter by category or design, and inquire about pricing. For store administrators, the system provides modules to manage product details, handle customer inquiries, and generate sales reports. The application ensures a responsive and secure browsing experience, with a structured backend using SQL Server for smooth data handling.

GitHub link: https://github.com/Surya-1805

7. Project Name   : Student Info

   Language Used : C# and SQL

   Framework   : Dotnet 4.7.2

   Software Used   : MS SQL Server 2022, Visual Studio 2022 v4.7

Project Description:

Student Information is a desktop application developed using Windows Forms and C# to manage academic and personal records of students. The system stores and displays details such as student name, contact information, enrolled course, batch, and academic status. It helps educational institutions maintain accurate and organized student data, ensuring easy access and retrieval of information. The application includes user friendly interfaces and a secure SQL Server database to support.Implemented **Finalize and Dispose** methods to release unmanaged resources like SQL connections and file streams.

GitHub link : https://github.com/Surya-1805

8. Project Name   : Student Info ASP

   Language Used : C# and SQL

   Framework   : Dotnet 4.7.2

   Software Used   : MS SQL Server 2022, Visual Studio 2022 v4.7

Project Description:

Student Information System is a web-based application developed using ASP.NET to manage student records and academic information in an organized manner. The system captures and maintains student details such as personal information, enrolled courses, academic status, and contact data.The application ensures seamless data flow and efficient record management using a SQL Server backend, enhancing the overall efficiency of student data handling in educational institutions.Created **Partial Views** to reuse UI components and maintain design consistency across pages.

GitHub link :https://github.com/Surya-1805

Certification and Achievements:

- One day workshop on "**Python Language**" Organized by the "Teslarzone Automation Solutions" , Pondicherry in association with Annai Teresa college of Engineering.
- Hands of program cum workshop on **Web Designing** at Annai Teresa college of Engineering, Thirunavalur.
- Has passed all the semester subjects in a single attempt during Anna University Examinations.
- One day workshop on **Internet of things** Organized by Yas SoftTech Puducherry.
- Workshop on "BIG **DATA ANALTYTICS** USING WEKA TOOL INTRGRATING WITH SPARK FRAMEWORK".
- Completed an online course on "**Introduction to Generative AI**" offered by Simplilearn.
- Under skill up-gradation Training Program organized by Nehru Yuva Kendra, Villupuram.
- Completed an online course on "**Generative AI for Beginners**" offered by Simplilearn .

Education :

Completed Bachelor of Engineering(CSE) with **First Class** from Annai Teresa College, Villupuram, affiliated to Anna University.

Declaration :

I hereby declare as a .NET Developer, that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Thanks and Regards

A.Surya