**Dot Net Developer**

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**Professional Summary:**

* .NET Professional around 12+ years of experience in IT industry with a wide range of experience on Analysis, Design, Development, Implementation and testing of Web based, Client-server and N-tier Architecture in Finance ,Consulting, IT, Medical and Outsourcing.
* Thorough understanding of SDLC methodologies from traditional Waterfall to Agile/Scrum.
* Experience in .NET Framework Web-based application Client/Server applications development using Microsoft.NET technologies including MVC, ASP.NET, VB.Net, C#, ADO.NET, WCF, WPF, AJAX, XML, Web Services, WebAPI, Micro services, ReactJS, Angular, IIS7.0/6.0, JavaScript, JQuery, AJAX, LINQ, HTML and CSS.
* Developed Web Forms and Win Forms applications with .NET Framework and Visual Studio 2022/2019/2017/2015/2010.
* Hands-on experience in design using Object Oriented Programming Principles.
* Knowledge in using Language-Integrated Query (LINQ) query and retrieve data from different data sources.
* Extensively used ASP.NET Server controls for state management in .NET.
* Skilled in XML Web Services (SOAP and REST) and Service-Oriented Architecture concepts using .NET Framework.
* Proficient in creating and managing Docker containers for .NET applications.
* Experienced in writing Docker files to containerize .NET Core and .NET Framework applications.
* Expertise in AWS services such as EC2, S3, RDS, and Lambda.
* Involved in creating a Web API with Entity Framework.
* Wide experience in Database Design, Modeling, and Database maintenance in MS SQL Server environment.
* Worked extensively with ADO.NET objects such as Data Adapter, Dataset, and Data Reader to interact with databases like SQL Server 2019/2016/2014/2012.
* Having good knowledge of Importing and exporting bulk data, backing up and restoring databases in SQL Server.
* Excellent abilities in writing stored procedures, functions, triggers, views, and schemas.
* Extensive working experience in unit testing framework.
* Experienced in Configuration Management, setting up company Version policies, building schedule using Team Foundation Server (TFS).
* Used GITfor tracking changes in source code during software development and to track changes in any set of files.
* Planning and implementation of data and storage management solutions in Azure.
* Highly organized with the ability to manage multiple projects and meet deadlines.
* Strong analytical and dynamic troubleshooting skills coupled with excellent communication skills and able to work individually and as a team.
* Hands on experiences in creating and writing complex database queries using Joins, Indexes, Tables, Views, Stored Procedures, Functions, Triggers, performance optimization & performance tuning using MS SQL database & Oracle.
* Team player in solving day-to-day problems such as adding new functionality, improving existing ones.

**Technical Skills:**

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| .NET Technologies | ASP.NET 3.0/3.5/4.0/4.5/4.7, 4.8, 5.0, WCF, LINQ, ADO.NET 3.0, Web Services, Web Forms .Net Framework 3.0/3.5/4.0/4.5/4.7/4.8, .NET Core 8.0 |
| Web Technologies | ASP, XML, HTML, DHTML, XHTML, CSS, JavaScript, AJAX, JQuery, Web Services, Micro Services, WPF, Web API, Angular6/7, ReactJS, AWS |
| Programming Languages | C#.Net, C, C++, SQL, MongoDB, XML, Postman, Swagger |
| Database | SQL Server 2019/2016/2014/2012 |
| Reporting & Integration tools | SSRS, SSIS, Crystal Reports |
| Development Tools | Visual Studio.NET 2022/2019/2017/2015/2010, Visual Studio Code, SQL Server Management Studio, Azure Data Studio, Team Foundation Server, MS Office. |
| Operating System | Windows 7,10,11 |

**Professional Experience:**

**Client: Intuit Inc, Mountain View, CA  May 2023 – Till Date**

**Role: Full Stack .NET Developer [Lead]**

**Responsibilities:**

* Developing and maintaining Accounting Web Application using .Net Core 5, C#, Blazor, Bootstrap, JavaScript, JQuery, Web API, HTML, CSS.
* Following Software Development Life Cycle phases to design application. Implementing the project using agile methodology with daily (SCRUM) paired programming.
* Using Visual Studio 2022 and SQL Server 2019.
* Developed and maintained multiple Angular applications integrated with .NET Core backend services.
* Implemented state management in Angular using NgRx, improving application performance and maintainability.
* Optimized application performance by implementing lazy loading and code splitting in Angular.
* Integrated **Azure Active Directory** **(Azure AD)** for secure authentication and authorization in .NET applications. Proficient in leveraging Azure AD for identity management and Single Sign-On (SSO) solutions.
* Implemented cluster services using Docker and Azure Kubernetes services (AKS) to manage local deployments in kubernetes by building a self-hosted kubernetes cluster using **Jenkins CI/CD** pipeline.
* **Developed and implemented authentication mechanisms using Azure Directory for secure access to web applications.**
* **Using GitHub, Azure DevOps, and Team Foundation server collaborations for communications, code reviews and developer operations.**
* **Implemented HTTPS Ingress controller and use TLS certificate on AKS to provide reverse proxy, configurable traffic routing for individual Kubernetes services.**
* Responsible for implementing containerized based applications by using **Azure Kubernetes Service (AKS)**
* Providing reliable solutions to a variety of problems using sound problem-solving techniques.
* Planning for the quality assurance requirements and identification of the risks associated with the project.  Creating and executing Unit test cases.
* Work experience in setting up alerts and deploying multiple dashboards for individual applications in **Azure Kubernetes (AKS) clusters using tools like Prometheus and Grafana.**
* Performing Debugging, Troubleshooting, Testing applications and Resolving bugs.
* Working as a member of a team to provide technical solutions to resolve complex business problems.
* Co-ordinated and supported various teams (Accounting, Finance, Tax) for downstream impacts.
* Directly working with client and stakeholders to update User Stories in JIRA and Azure DevOps Server.
* Identifying issues, analyzing data, developing code and implementing solutions accordingly.
* Worked as a Scrum Master and conducted Sprint Planning, Daily Standups, Sprint Review, Sprint Retrospectives and Sprint Backlog refinement.
* Creating Stored Procedures, Functions, Packages, Triggers, Indexes, and Views in Development and Production environment for SQL Server 2019.
* **Deployed Dockerized .NET applications to cloud platforms such as Azure Kubernetes Service (AKS) and Amazon Elastic Kubernetes Service (EKS).**
* Understanding performance issues and addressing them systematically.
* Documenting the new functionality and uploading it in SharePoint for future references.
* Deploying after every Iteration and verifying new changes.
* Supporting production team to understand the functionality and resolve production live bugs immediately.

**Environment:** Visual Studio 2022, C#, .NET 5, ADO.NET, HTML5, CSS3, Bootstrap, JSON, SQL Server 2019, Web Services, WPF, Angular12, Web API, JIRA, Azure DevOps Server, Postman, Swagger, SharePoint, Azure DevOps Server, Azure, AWS.

**Client: SmartMobe Solutions Pvt. Ltd., Nepal Feb 2018 – Dec 2021**

**Role: Full Stack .NET Developer [Lead]**

**Responsibilities:**

* Implemented the project using agile methodology with daily (SCRUM) paired programming using TDD (Test-driven development) and continuous integration using the SDLC process.
* Developed application in C# and .NET Framework 4.8 to meet the business requirements using Visual

Studio .NET 2019 using Object Oriented Principles.

* Expertise with Terraform templates for provisioning Infrastructure like Virtual Networks, Load Balancers, Storage Accounts, Virtual Machines, Virtual Machine Scale Sets, Azure Kubernetes Cluster (AKS), Key Vaults and Log Analytics Workspace in Microsoft Azure using Terraform modules.
* Hands on experience upgrading existing HDInsight clusters and Azure Kubernetes (AKS) clusters in Microsoft Azure to the latest version using Bash Scripting.
* Designed and developed web pages using HTML, CSS3, AngularJS, JQuery, AJAX, JavaScript and ASP.Net, WPF. Implementing several REST Services with Node JS as Backend and Angular as Frontend.
* Developed ASP.NET MVC5 applications using Code First Approach and providing data from Entity Framework as a model.
* XML and REST micro services were used to exchange structured and typed information with help of web service over the Internet.
* Designed and developed website (GUI) Screens using ASP.NET MVC5, C#.NET, User controls, JavaScript, and Data Controls.
* Implemented client-side validations using jQuery and ASP.NET MVC Validations implemented at the Controller level.
* Worked closely with cross-functional teams to deliver high-quality WPF applications.
* Used Web API for HTTP and REST-based GET, POST, PUT, DELETE, and Returning JSON format.
* Developed search and advanced search components using ADO.NET to retrieve the search results from backend database (Asynchronous call) with AJAX features with partial page updates.
* Integrated Docker with CI/CD pipelines (Jenkins, Azure DevOps, GitHub Actions) for automated testing, building, and deployment of .NET applications.
* Ensured data integrity throughout the migration process, minimizing data errors and optimizing data quality.
* Proficient in using analytics tools like Google Analytics, Adobe Analytics, to track website traffic, user engagement, and conversion metrics.
* Created Stored Procedures, Functions, Packages, Triggers, Indexes, and Views in Development and Production environment for SQL Server 2016.
* Worked on Facets related Data tables and created audit reports using queries, manually loaded data in Facets.
* Designed and Implemented complex SSIS packages for ETL processes, ensuring data consistency and reliability.
* Automated report delivery using SSRS subscriptions, decreasing manual reporting efforts by 40%.
* Performed unit testing and functional testing and worked with QA Team to make clear the issues.
* Used Bit Bucket, Source tree as of version control for sharing the company resources with the developers.

**Environment:** Visual Studio 2019, Visual Studio Code, C#, ASP.NET 4.8, MVC, ADO.NET, HTML5, CSS3, Angular6, Node JS, React JS, SQL SERVER 2016, SSIS, SSRS, ETL, MongoDB, Web Services, WPF, Web API, WCF, Jira, Postman, Swagger, Bitbucket, SourceTree, TortoiseGIT.

**Client: Deerwalk Inc., Nepal Sep 2011 – Jan 2018**

**Role: .NET Software Engineer Responsibilities:**

* Object-oriented data model developed in the C# development language. Includes development of tax calculations, tax form objects, and data validation against state jurisdiction testing scenarios utilizing C# data objects.
* User Interface development using JSON layout files. Also includes validation of data which directs customers to proper user entry fields for corrections utilizing C# data objects.
* Coded for electronic transmission of tax returns into XML format by translating data from data model into state jurisdiction provided XSD schema approved format. Also includes data validation against state jurisdiction business rules.
* Migrated a legacy .NET Framework application to a Docker container, simplifying the deployment process and improving consistency across environments.
* Developed WPF applications with localization and globalization support to cater to a global audience.
* Followed established procedures while continuously helping to find ways to improve performance by streamlining procedures, compiling custom helper tools, and providing healthy feedback on currently utilized processes and procedures.
* Communicated with various analysts and architecture teams for clarification of specifications as needed. Ensured the quality and Accuracy of Tax Software by testing Software Bugs and Correctness of Tax Calculations using both Manual methods and Automated Tools.
* Created and ran Unit Tests to ensure both coverage and Accuracy of Calculations.
* Helped to achieve Federal and State Governmental Software Testing Certifications.
* Created and modified tax content for a web-based tax preparation application. Working with other members of the development and tax analysis teams using established tools, procedures, and technologies such as C#, JSON/JavaScript, XML, TFS, and Visual Studio under general supervision.
* Designed and developed the UI Screen, Business Logic, and Data Access Components using C# and ASP.NET.
* Ownership for Azure SQL server DB deployment & managed the continuous integration & continues deployment. Corrected errors by making appropriate changes and then rechecking the program to ensure that the desired results are produced.
* Used client and server-side validations for better performance and maintaining a clean code structure.
* Developed Frontend using HTML5 and CSS and backend in C#. Worked on both front-end and back-end development.
* Wrote SQL stored procedures, queries using joins in SQL Server 2016.

**Environment:** Visual Studio 2017, C#, ASP.NET 4.7, ADO.NET, JQUERY, JavaScript, Microsoft Excel, HTML5, CSS3, SQL SERVER 2016, Web Services, WPF, Web API, WCF, Azure, TFS.

**Client: UBA Solutions Pvt. Ltd., Nepal Jun 2009 – Aug 2011 Role: .NET Programmer**

**Responsibilities:**

* Significant role in the Analysis and Design stages of the project life cycle.
* Designed, developed, and tested forms using Visual Studio.NET 2010.
* Design and develop the GUI, Business Logic Layer, and Data Access Layer.
* Developed the Web forms for new policy endorsement, policy cancellation, renewal, reinstatement, account correction, audit, premium calculation, coverage, policy information, billing details, policy inquiry, and work file information using ASP.NET, C#.NET, XML, JQuery, JavaScript.
* Created and maintained corporate website using classic ASP, JavaScript & CSS. Converted classic ASP corporate site to C#/ASP.NET.
* Designed and Developed Master and Content Pages (Web Forms) using ASP.Net Server Controls and C#.Net as code-behind.
* Developed web services for premium calculation and coverage.
* Deployed the 3-Tier Architecture Application with UI, Business Layer, and Data Access layers using C#.NET. Developed dynamic ASPX pages for Applications using ASP.NET MVC, C#.NET, and HTML.
* Generated Unit Test Cases using Visual Studio 2010. Implement Role-Based security with Form-Based Authentication. Used TFS for version control during development.
* Developed web services and used them from the data access layer and business layer.
* Written complex SQL queries with Joins on multiple tables, Stored Procedures, Triggers, Backup and Restore.

**Environment:** C#, ASP.NET 4.0, SQL Server 2008, Crystal Reports, ADO.NET, Web Services, Visual Studio 2010, XML, HTML, JavaScript.

**Client: National College of Computer Studies, Nepal Jan 2008 – Jun 2009**

**Role: C#.Net Developer**

**Responsibilities:**

* Implemented Master Pages, Partial classes, Skins, and CSS in ASP.NET
* Involved in developing various modules for the Epharma System using Microsoft .NET technologies.
* Developed rich user interface to support different client browsers using ASP.NET 3.5 Web Forms, User Controls, Web Controls, and HTML Controls.
* Developed secure ASP.NET pages, which include login pages, which will authorize and authenticate the users by retrieving their login names and passwords from the database using ADO .NET.
* Participated in defining System Design, Architecture, and Specifications and performed project and task estimation.
* Developed JavaScript controls to customize the user interactions with web forms. Designed the physical data model in SQL Server 2005.
* Developed web pages using C#.NET.
* Involved in Unit testing and Bug fixing.
* Used Data Grid control to display, edit, delete, and inserting master records.
* Developed the search functionality to search for the customer.
* Developed Crystal Reports according to the customer requirement.
* Responsible for Unit Testing for the modules developed.

**Environment:** ASP.NET 2008, C#, HTML, JavaScript, Microsoft SQL Server 2005.

**Certifications:**

**Certified Scrum Master**, Scrum Alliance, Issued Sep 2011

**Education:**

**Master of Science in Computer Science (Artificial Intelligence Specialization)**

University of South Dakota, South Dakota, USA

January 2022 - December 2023