**Vatsal M Borda**

**Full Stack.Net Developer**

**Professional Summary:-**

* Over 10+ years of experience in IT including Analysis, Designing, Development, Testing, Bug fixing and Implementation in the Software Development Life Cycle (SDLC) of Client/Server and Web Technologies for various N-Tier applications.
* Proficiency in development using Microsoft.NET technologies like ASP.Net, C#, VB.Net, ADO.Net, Web Services, MVC, AJAX, Windows Services, WCF Services, OOPS, XML, XSLT, SOAP, LINQ Text Editor, MS IIS … DHTML, VBScript, VSS, JavaScript, SQL Server.
* Experience in designing web pages using HTML, JavaScript, HTML, CSS and jQuery, Angular JS, AJAX, Bootstrap and JSON, Node JS, UML.
* Experience with Data Accessing including using Data Adapter, Data Reader and Dataset in ADO.NET and Language Integrated Query (LINQ) Providers for data manipulation.
* Experience in working with ASP .NET MVC and Entity Framework as ORM Mapping tool for Data Access layer.
* Extensive experience in Responsive web-based page and site designs using HTML, XHTML, DHTML, CSS, Bootstrap and AJAX.
* Work experience on VisualCron Client 9.2.0 to run the Batch Operations using Stored Procedures.
* Thorough knowledge of Waterfall and Agile Methodologies in Application Development with hands on experience working in Agile Development Team following SCRUM Methodology and paired programming using Test Driven Development (TDD).
* Experience in Designing, Development and Deployment of High - Performance, Scalable, Distributed, ASP.NET Applications. Experience in Test Driven Development (TDD) and Automation.
* Experience with Web Service, WCF (Windows Communication Foundation) and ASP.NET Web API.
* Worked to develop fully responsive front-end features using Angular JS directives, controllers, factories, and services.
* Good knowledge on Microservices, AWS (Amazon Web Services) , working with EC2, RDS, Dynamo DB, S3, Cloud watch and Docker.
* Work experience on Windows Azure, Azure Active Directory, and SQL azure, creating resource groups, subscriptions, build definitions and release definitions.
* Experience with Microsoft Azure Services like IaaS and PaaS.
* Having good experience in Caching, Authentication, and Windows Services, User Controls (ascx) and Web Custom Controls.
* Hands on experience in design using N-tier architecture and Object-Oriented Programming (OOPS) Principles like Encapsulation, Inheritance, Polymorphism, reusability and Design patterns like Abstract factory, Singleton, Object pool a standard solution to common problems in software design.
* Experience in creating Validation Controls for front-end validation.
* Experience in development and usage of Web Services using WSDL, SOA, UDDI and SOAP.
* Experience in Database Analysis/Design/Normalization/Manipulation processes using SQL Server.
* Proficient in developing REST Services and integrating them with Client Server Architecture.
* Implemented several REST Services with Node JS as Backend and Angular as Frontend.
* Experience in advanced JavaScript/UI frameworks like Angular 7, Bootstrap and jQuery.
* Implemented UI using MVC, HTML, XML, CSS, JavaScript, Angular 7, AJAX and Web Form Controls to create responsive web pages, developed Master Pages.
* Implemented filtering, sorting and pagination using third party tools and Angular 7 framework.
* Experience in handling databases like MySQL and NoSQL databases like Mongo DB.
* Developed several SOAP and REST API based internal tools to enhance quality and performance of existing code base and deployed in Cloud Foundry, AWS S3.
* Design &amp; implement end-to-end automation of infrastructure and continuous delivery of the applications by integrating Cloud Formation scripts, Jenkins, Ansible and AWS.
* Strong knowledge in designing, developing reports using MS-Access, SQL Server Reporting Services.
* Hands-on experience using one-way/two-way databinding, filters, UI-routers and creating custom directives in Angular 2.
* Designed fronted web-based form using Angular 7/6/4/5/4/2 with Ajax controls CSS and HTML5.
* Proficient developing applications using MVC, Blazor server - side and WEB API with Entity
* Framework.
* Knowledge of using Continuous Integration / Continuous Deployment (CI/CD) tools as Jenkins.
* Experience in Creating Unit Testing applications and Unit Testing with N-Unit.
* Expertise in database applications involving complex Database Queries, stored procedures, triggers, (Data
* Transformation Services) DTS packages, design, implementation with MS SQL Server […], Oracle 8i/9i/10g and Microsoft Access.
* Strong Experience in Design &amp; Development of Client-Server &amp; Web applications using Object Oriented Analysis and Design (OOAD) methodologies.

**TECHNICAL SKILLS:**

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| **Languages:** | C#, VB.NET, VB, C, C++, T-SQL, PL/SQL. |
| **Microsoft Technologies:** | .NET Framework5, C#.NET, ASP.NET, VB.NET, Silverlight, WCF, ADO.NET, MVC, AJAX, Web-services, Visual Basic, IIS, LINQ, Entity Framework,  Silverlight. |
| **Web Technologies:** | HTML5, DHTML, CSS3, XML, XSLT, Bootstrap, MVC, JavaScript, Jquery, VB script, Angular.js. |
| **Design/Development Tools:** | VisualStudio.NET, Visual Source Safe, Visio, SQL Client Utility. |
| **OOAD Design Tools**: | Rational Application Developer (RAD), Rational Rose. |
| **Web/App. Servers:** | Web logic, Apache Tomcat, IIS (Internet Information Server)5.0/6.0/7.5 |
| **Database:** | Oracle, DB2, SQL Server, MySQL and MongoDB. |
| **Tools & Utilities:** | ERWIN, ANT, Jenkins, JUnit, Crystal Reports, Log4j, TOAD for Oracle. |
| **Version Management:** | Visual Safe Source, Team Foundation Server |
| **Operating System:** | Windows 8/8.1/Windows 10, Linux, Unix. |

**Professional Experience:**

**Client Name: Genesis Global Charlotte NC (Remote) Aug 2023 – Till Date**

**Role: Sr. Full stack .Net Developer**

**Responsibilities:**

* Built Web based and service-oriented platforms using Microsoft .NET technologies (C#, ASP.Net, MVC, Web API, and Entity Framework)
* Configured security features for the application using Form Based Authentication and Role Based Authorization using C# and ASP.NET.
* Used ADO.Net extensively for database interactions using Data Reader, Data Adapter, Data view and Datasets.
* Involved in using JSON objects to communicate between AJAX request and response, pass as the parameters to the JavaScript functions.
* Wrote SPA (Single Page Web Applications) using RESTFUL Web Services plus Ajax and Angular JS.
* Developed and Enhanced Master Pages, User Controls, Custom Controls, User Interface by using HTML 5, CSS 3, Bootstrap and Kendo UI Controls.
* Used Dependency Injection Pattern to reduce the dependency coupling between classes and in Front end using AngularJS.
* Developed Web sites, Win Forms using VB.NET.
* Design, develop and support SharePoint solutions and advanced workflows using SharePoint Designer and InfoPath
* Working on confidential websites using Sitefinity 10.
* Implemented CRUD functionality with Entity framework in ASP.NET MVC and implemented sorting, filtering and paging with Entity framework in MVC.
* Developed and deployed back-end services to Azure cloud and used Azure Service Bus.
* Published and deployed Dow-Sync and services through Azure.
* Created and used User Controls in developing the front-end application and multi-thread windows applications using VB.Net.
* Used XML based procedures for ADO.NET objects, to facilitate the importing of large XML datasets into the SQL Server database.
* Involved in using Azure Service Bus, Azure Logic Apps, Azure Functions Apps, Azure App Services, ARM Templates, Azure AMS and Azure KeyVault.
* Interact with product owner and developer in requirements analysis, design reviews, testing and documentation for application being developed in Agile environment
* Created WCF service using HTTP and SOAP protocol and maintained existing web services.
* Used SQL Server as data repository, used LINQ to SQL together with Entity Framework writing data access classes, stored procedures, triggers, views to capture and modify data.
* MVVM Design Pattern being used to create architecture of the Project.
* Developed Web forms using ASP.Net server controls and validated input using Java Script.
* Involved in deploying the application on IIS Server.
* Used databases like DB2, MongoDB, PostgreSQL and SQL Server and worked with data optimization and normalization.
* Worked on SOAP and RESTFUL Services using WEB API which return JSON data.
* Implemented Authentication and Authorization security mechanisms.
* Develop and maintain system for organizing and tracking execution of test plans in Jira.
* Responsible for fine tuning the Stored procedures and SQL Queries that have been found expensive in the load testing conducted for the releases.
* Involved in Azure Cosmos DB development & usage.
* Developer Sitefinity widgets, custom resource packages template layouts.
* Responsible for writing Webservices to consume data from the Azure cloud.
* Responsible for maintaining versions of source code using Team Foundation Server (TFS)
* Handled SharePoint Administration related tasks like Site Restore, Backup, SSP configuration, SharePoint Installation and Service Application Creation, Deployment of Solutions using PowerShell.
* Worked closely wif the build team for the deployments (CI/CD) of the applications from lower to Production environments using Jenkins.
* Worked with Swagger UI, Postman to document and test the API.
* Used Git for version control across common source code used by developers.
* Developed test-driven development (TDD) strategy guiding use of the Nunit testing framework.
* Prepared unit test cases and performed N-Unit testing prior to system implementation.
* Used Rational Application Developer, which is based on Eclipse, to develop and debug application code.
* Implemented multiple timer jobs which are scheduled on daily basis using C#, power shell scripts.
* Used Postman to handle API services Request & Responses.
* Implemented new ELK cluster for enterprise logging and Maintained Elastic Search, Log stash, Kibana.
* APIs endpoint verification using Postman and Swagger UI.

**Environment:** Visual Studio.NET, Azure, .Net Framework, Asp.Net, MVC, VB.Net, ADO.Net, HTML5, CSS3, jQuery, Angular JS, JavaScript, Kendo UI, Ajax, Restful, Soap, Entity Framework, Web Forms, Win Forms, Bootstrap, IIS, TFS, SQL Server, MongoDB, PowerShell, WCF, WPF, Web API, LINQ, and Agile.

**Client: PWC, Dallas, TX Nov 2021 – July 2023**

**Role: Senior Dotnet Developer**

**Responsibilities:**

* Extensively worked on Agile SDLC methodology and participated in scrum meetings, Retrospectives, Sprint planning and review meetings to discuss the flow of the project and distribution of the User stories.
* Worked in complete agile team which gathers and designs the tasks based on customer requirement.
* Integrated Dapper ORM within the application architecture to fetch data from Database and worked on SQL Developer tool to validate the generated queries.
* Created a web application using blazor technology with .Net core framework 5.0
* Used Radzen components to build UI forms with latest blazor technology.
* Worked on upgrade code from C++ to C#.Net and VB to VB.Net.
* Designed and developed dynamic webpages using Razor View Engine, Bootstrap, JavaScript, HTML5, CSS3, JQuery and Ajax.
* Used Kafka for message streaming. Connected to Kafka topics using various topics, brokers related information.
* Worked with class-based components in React to develop a tracking application.
* Developed the application using ASP.NET, C#/Vb.Net, SQL Server and SDLC on the visual studio IDE,
* Designed and implemented User Interface Layer using ASP.NET web forms.
* Developed a Silverlight dashboard to display current capacity of projects, managing Finances.
* Extensively used C++ / C# interoperability to improve code reuse.
* Worked on the migration from VMware to AWS, and used chef to automate the infrastructure in AWS by creating EC2, S3, RDS, VPC and Route 53.
* Developed Single Page Application (SPA) using Angular 8 Framework and injected generic services using Angular 8.
* Developed the modules using Asp.Net, C#.Net, HTML5, CSS3, Java Script, Master Pages, Ajax, Web Server Controls and used jQuery for client-side validations.
* Created reusable templates using Angular directives and worked with NPM package manager tools (NodeJS).
* Worked extensively on TELERIK UI (Kendo UI) controls. Implemented bootstrap menus, buttons and various other controls.
* Developed a CLI using C#. Net to help Build and deploy multiple small applications to work collectively, this is a part of Microservice Architecture.
* Utilized the features of Angular 8 to present effective web design.
* Used SOAPUI for functional testing/debugging the web services and used WCF Services for establishing connection between application layers.
* Created WCF Services responsible for communicating and providing real time data from integrated server to Client Application.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy on the AWS server.
* Worked on server-side web applications using Node.js and involved in Construction of UI using JQuery, ReactJS, Bootstrap and JavaScript.
* Used React, JavaScript, JQuery to create Controllers to handle events triggered by clients and send request to server.
* Developed components in React JS by using React Flux architecture for building client-side web applications.
* Enhance applications built using Asp.net Core with Microservices architecture, deploying using docker containers.
* Design and development of multi-tier Web based Special Ed Component Application utilizing VB.NET, ASP.NET 1.1, ADO.NET, XML, HTML, and SQL Server 2000 database on Windows XP platform
* Prepared technical documentation such as system architecture, functional, design documents.
* Got client appreciation for the various project Silverlight, WCF, ASP.NET, Console Applications executed.
* Used Open stack and AWS cloud services to launch Linux and windows machines, created security groups and written basic PowerShell scripts to take backups and mount network shared drives.
* Leveraged Amazon Web Services like EC2, RDS, EBS, ELB, Auto scaling, AMI, IAM through AWS console and API Integration.
* Design and development of numerous reports using XML files and ADO.NET typed datasets with Crystal Reports for .Net Framework
* Migrated legacy VC++ to C#
* Developed and executed test automation using a custom C# automation framework for web application and database stored procedure functional testing.
* Designing and developed Micro Services using (MEAN Stack) Nodejs, MongoDB, Angular Elastic search on Private Cloud OpenStack Platform using Express Js.
* Developed the web pages using Asp.net, HTML and CSS for styling the Web pages.

**Environment:** Agile, Visual Studio 2012/2017, VC++, C++ Windows server 2008 R2, Dapper, .Net Framework 4.0/4.5, VB.NET, ASP.NET MVC, Entity Framework, ASP.NET Web Forms, Azure, Jenkins, Microservices, Bootstrap, Docker, Kubernetes, Angular 9/11, KnockOutJS, WPF, Js, jQuery, AJAX, ADO.NET, MongoDB, TFS, NodeJS, Data tables, Type Script, HTML5, T-SQL, SQL Server 2014, .net core, SSRS, SSIS, Crystal Reports, Apache Kafka, Blazor, Web Assembly.

**Cummins, Indianapolis, IN Nov 2019 – Oct 2021**

**Senior Dotnet Developer**

**Responsibilities:**

* Worked in Agile Scrum methodology and delivered accepted functionality in each sprint.
* Played key role in feature implementation and enhancement, code refactoring and defect fixing.
* Designed and developed Hybrid-Single Page Application using C# 5.0, .NET Framework 4.5, ASP.NET MVC 5, and AngularJS 1.5.
* Consumed SOAP APIs from enterprise customer system and RESTful APIs provided by other applications in the portfolio, also created W&C RESTful APIs.
* Participated in UI design with Master Pages in MVC 5 and improved layout with HTML5, Bootstrap, and CSS3.
* Used AngularJS, JavaScript to develop templates, controllers, and directives.
* Used RequireJS JavaScript library to dynamically load ASP.NET bundles.
* Used Math.net library to implement methods and algorithms for numerical computations.
* Provided database connectivity using Entity Framework 6.0, LINQ, designed stored procedures and views at the back end.
* Contributed in data migration from Oracle DB to SQL Server using PL/SQL and T/SQL.
* Generated data migration and transformation using SSIS, and built reports with SSRS.
* Used OWIN interface to decouple server and application.
* Used JSON web token to do user authentication and secure information exchange.
* Using the Ninject for Dependency Injection to build a loosely coupled system.
* Used Dapper for Object relational mapping (ORM).
* Used Repository and Factory design pattern to develop reusable code.
* Designed unit testing module with NUnit to test the application performance and availability
* Heavily involved in code review, build and deployment with GIT, Jenkins.

**Environment:** .NET Framework 4.5, Visual Studio 2015, C# 5.0, ASP.NET 4.5, MVC 5.0, Entity Framework 6.0, Web API 2, SQL Server 2014, HTML5, CSS3, JavaScript, AngularJS 1.5, AJAX, IIS 7, LINQ, SSIS, SSRS, Git, Agile, Jenkins, NUnit

**DeltaAirLines, Atlanta, GA Sep 2018 - Oct 2019**

**Dotnet Developer**

**Responsibilities:**

* Developed Business Tier using C# 5.0 to implement classes and methods for business logic.
* Designed, developed, and enhanced the application using .NET Framework 4.0 and MVC 4 .
* Developed Razor views with strongly typed view models, helpers and partial views using ASP.NET MVC 4 to display required news and data on Dow-Sync’s Display section.
* Used SignalR and JavaScript to manage real-time data and enhance real-time chat function for Messaging section
* Worked on UI layer using AngularJS 1.3/1.4 HTML5, CSS3, and Bootstrap to build rich, flexible and user interactive web pages.
* Consumed Web API RESTful for building Service-Oriented Application hosted by IIS 7.0.
* Created WCF service using HTTP and SOAP protocol and maintained existing web services.
* Used SQL Server 2014 as data repository, used LINQ to SQL together with Entity Framework 6.0 writing data access classes, stored procedures, triggers, views to capture and modify data.
* Used Dow-Chat as prototype, designed and implemented functions of messaging section.
* Published and deployed Dow-Sync and services through Azure.
* Use MSTest to design and develop phases of Test-Driven Development.
* Worked based on Agile SDLC.
* Used Git for version control across common source code used by developers.
* Developed controllers and action methods for user interaction logic using C#.NET.
* Designed and developed UI using XHTML, CSS2, JQuery and Razor Views.
* Implemented form validation using JavaScript.
* Invoked WCF REST Services using JQuery AJAX.

**Environment:** .NET Framework 4.0, Visual Studio 2015, C# 5, ASP.NET 4.0, MVC 4, SignalR 2, ADO.NET, Entity Framework 6.0, SQL Server 2014, Oracle 11g, LINQ, RESTful API, WCF 4.0, HTML5, CSS3, AngularJS 1.3/1.4, AJAX, JQuery, Bootstrap, IIS 7.0, JSON, MSTest, Azure, Agile, Jenkins, TFS and Git.

**PNC Financial Services Group, Pittsburgh, PA Mar 2017 - Aug 2018**

**Dotnet Developer**

**Responsibilities:**

* Played an active role in all stages - requirements gathering, analysis and design, development, testing, debugging and fine-tuning.
* Developed/Modified front end UI using HTML, DHTML and CSS.
* Designed User Interface using ASP.NET Pages, Web Controls, Custom Controls, User Controls, HTML, and Style Sheets and C#.NET and VB.NET for Middle tier processing.
* Designed Created and Implemented new relational tables and upgraded the existing tables.
* Designed and developed user-interface for major modules of the project using ASP.Net controls.
* Designed and Implemented Data Access Assemblies using ADO.
* Performed Form validation by adding validation controls and implemented user controls and custom controls and role based authorization.
* Used ADO.NET objects for data retrieving, querying, storage and manipulation to data sources.
* Used Data grids, Grid view and Data Reader for Data manipulation and display.
* Used SQL Server database as the backend and XML for web configuration files.
* Used Visual Source Safe for Version Control.
* Designed and implemented reports using Crystal Reports.
* Used web services in the appropriate scenarios to communicate with other applications.
* Used Cascading Style Sheet (CSS) in web pages to separate presentation from structure.
* Used JavaScript Validate input values on forms to make sure that they will be accepted before they are submitted to the server.
* Developed stores procedures, triggers, functions and database tables in MS SQL Server database.
* Used Firebug to analyze UI layouts and issues on different browsers.
* Used various jQuery plugins like auto complete, date picker, colour picker, document slider to enhance the usability, functionality and overall experience for website.

**Environment:** .NET Framework 2.0, C#.NET, VB.NET, ADO.NET, ASP.NET 2.0, XML, HTML, CSS, JavaScript, AJAX, SQL server, T-SQL, IIS, Crystal Report, Visual Source Safe, XHTML, jQuery, Adobe Dreamweaver, SVN, Firebug, Windows XP and MS Office.

**Crelio Health,Pune Nov 2015-Dec 2016**

**Dotnet Developer**

**Responsibilities:**

* Participated in requirement gathering sessions with the client and preparation/modifying of the requirements in Requirement Specification document using UML
* Implemented OO Design and Concepts data modeling to analyze and define data requirements need to support business requirements.
* Designed User Interface using Web Forms, Win forms, DHTML, XSLT, XML, JavaScript, AJAX, CSS, ASP.NET, Server Controls and Visual Studio.Net.
* Created user interfaces using ASP.NET Web forms and Web Server controls. Navigation menus were implemented using Tree and Menu Controls and Custom/User Controls in ASP. NET
* Studied Business Requirements, Analysis and converted business requirements into technical specifications.
* Coded the Business Logic layer and Data Access layer using C .NET.
* Used Themes, Skins and CSS to give look and feel to Web pages using ASP.Net
* Developed User Controls to reduce the Complexity in User Interface Coding and provide better look and feel performed validation using JavaScript.
* Worked on ASP.NET State management, using Sessions and ASP.Net Caching features using Output Cache.
* Implemented AJAX for making the web application more interactive to the users.
* Extensively used ADO.NET classes provided by the .NET Framework 2.0 for database connectivity.
* Developed data access assemblies in C to connect to SQL Server database and isolated data access logic from business layer and front end by defining several strongly typed dataset.
* Implemented Forms-based Authentication to authenticate the users
* Written SQL Queries, Stored Procedures, functions using TSQL
* Unit Testing using N Unit, Regression Testing, Integration Testing, Defect Tracking Systems and Performance testing of the software systems.

**Environment:** .Net Framework 2.0, C .NET, ASP.Net 2.0, ADO.Net, SQL Server 2005, Visual Studio.Net 2005, TSQL, XML, XSLT, Edit Plus, WCF, UML, VSS, WPF, Photoshop, Ajax, JavaScript, SSRS, DHTML, CSS, HTML, N-Unit, IIS, Visual SourceSafe, Windows XP.

**Persistent Systems, Hyderabad, India Mar 2013 - Oct 2015**

**Dotnet Developer**

**Responsibilities:-**

* Analyzed the requirements and prepared the analysis report.
* Designed and developed the User Interface using Win-forms.
* Source Code implemented using C#.Net.
* Designed and developed business components and data components using C# and ADO.NET.
* Developed Win Forms and integrated these forms with Windows Services.
* Developing User Control for Common Functionality in the ASP.NET.
* Involved in using all the best features of ASP.NET including Data Set, Data View and Data Adapter.
* Performed validations using Validation Controls.
* Used ADO.NET objects such as Data Reader, Dataset and Data Adapter.
* Involved in Writing, modifying complex Queries, Stored Procedures and Triggers Designed and developed applications using VB.NET, ASP.NET with ADO.NET.
* Familiar with several design patterns such as Iterator, Single Responsibility, Dependency Injection,
* Environment: C#.Net, VisualStudio.Net, ASP.Net, SQL Server, MVC, HTML, CSS, JavaScript & XML.