# **Manasa Ghattamaneni**

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## **Professional Summary:**

**Proficient 7+** professional experience as a Full Stack Developer in analysis, design and implementation of web based, windows-based client-server applications in Microsoft Technologies using **C#,** **VB.NET, .NET Core 1.0, Classic** **ASP**, **ASP.NET**, **ADO.NET**, WinForms, **MVC**, Web Forms, **SQL Server**, **PL/SQL**, Oracle, Web Services, Windows Services.

* Proficiency in designing **ASP.NET** based Graphical User Interfaces (GUI’S) with **CSS, JavaScript**, **AJAX**, **jQuery**, **AngularJS**, **Kendo UI**, **Bootstrap**, Multithreading and **HTML**.
* Experience in the re-design and architecture of Designee Management System application using client technologies like **Angular 4/5**.
* Designed and developed Web-Based **.net Core** Application.
* Potential to encounter client's prerequisites through viable programming strategies and coding techniques.
* Proficiency working with Web 2.0 standards, **HTML 5**, **CSS3** and **XHTML**.
* Experience using **NPM** package manager and **Node.js** to install packages.
* Hands-on experience in developing and deploying loose coupled microservices.
* Adept in developing **client-side** application functionalities with rich UI design and user-friendly design approaches, **single page** applications, responsive web pages with performance functionalities in the web applications using Java Script, **jQuery**, **AJAX**, **JSON**, **HTML** 4/5, XML/XSLT/XHTML, Bootstrap with **Angular** 4**/5**, and media queries.
* Working with CSOT Devops Team, developing application enhancements for the bdportal tool
* Proficiency with third party tools such as Dev Express and **Kendo** **UI**.
* Created Script programming using **AWS**, Bash Script, VBScript for System monitors and process automation
* Experience with Web Service, **WCF** (Windows Communication Foundation) and **ASP.NET Web API**.
* Building Strongly Typed applications with the **AngularJS1.X/Angular2.0** and **ASP.NET MVC**.
* Expertise in using **ADO.NET** objects such as Connection Object, Command Object, Data Reader Object, Data Adapter Object and Dataset Object.
* Worked on **LINQ** to **SQL**, **LINQ** to ADO.Net Datasets, LINQ to Objects, and LINQ to XML.
* proficiency in developing **Web Services** and invoking them by using **XML, SOAP, UDDI, RESTAPI, WCF** and **WSDL** for creating proxy classes.
* Good understanding of microservices architecture and work closely with architect for product requirement and management stack.
* Working on Automated microservices development framework to improve fast development and easy Onboarding process.
* Worked with **DevOps** team and ensured build/release definitions are configured correctly in all environments.
* Rendered **ADO.net** data access techniques to connect, retrieve and manipulate the database information and created ado.net, objects like Data sets, Data reader and data adapter to efficiently communicate with **SQL Server** Database.
* Used Team Foundation Server(**TFS**) for version Control and source code Maintenance needs.
* Well versed in Design Patterns like **MVC, MVVM** Patterns and Singleton Patterns. Implemented the project using **MVVM pattern** with **Silverlight** 4.0.
* Proficient working with Stored Procedures, Triggers, Cursors, Functions and Views on Oracle and SQL Server.
* Experience in creating Data Transformation Service (DTS) packages, **SSIS**, **SSRS** with SQL Server 2014.
* Developing **SSIS** jobs with the SSIS packages with additional steps which could be utilized for FTP
* files or staging intermediate data staging databases.
* Experience in generating reports using **SQL Server** Reporting Services and Crystal Reports.
* Involved on migrating SQL Server databases to new versions of SQL Databases.
* Involved in developing reports using Report Wizard, Report Builder, Report Manager and deploying reports in SQL Server Reporting Services (**SSRS**).
* Good experience on **DevOps** tools such as Jenkins, Maven, ANT, SVN, GIT, Docker.
* Experience with **SOA** [Service Oriented Architecture] and **N-Tier** Architecture, for project development and good knowledge on enterprise architecture systems.
* Experience in working on IDE’s like **Visual Studio** 2017/2015/2010/2005 and SQL Server 2016/2008/2005.
* Experience in developing **n-tier** Web Applications.
* Experience with Software Development Processes & Models: **Agile**, **Waterfall**, & **Scrum** Model
* Excellent working experience using with Internet Information Server **(IIS),** Windows/NT Server.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Languages** | C, C#, .NET 3.5/4.0, .NET Core 1.0, VB.NET, XAML, JavaScript, jQuery, AngularJS, Bootstrap, Web Services, WCF, WPF, Remoting, Win Forms, Web Forms, SQL, T-SQL |
| **.Net Technologies** | Asp.net (5.0/4.0/3.5/2.0/1.1), MVC, MVVM, Entity Framework, Identity, Web Forms, Web Controls, Custom Controls, NuGet Package Manager, Web API, User Controls, Web Services, Ajax, ADO.net, WCF |
| **Software’s** | Microsoft Visual Studio 2005, 2010, 2012, 2015, Eclipse |
| **Designing Tools** | Visio, Dream Weaver, Flash 5.0, Adobe Photoshop CS5, Flex builder 4 |
| **Databases** | Microsoft SQL Server 2016/2005/2008,2017, R2, Oracle 10g, PL/SQL, Devops |
| **Packages** | MS Office 2007, 2010,2016. |
| **Operating Systems** | Windows 10, Windows 8, Windows XP, Vista, 7, Linux (Ubuntu)/UNIX. |
| **WEB Services** | REST, SOAP, UDDI, WCF |
| **Version Control** | TFS, Git Hub, SVN, VSS |

**PROFESSIONAL EXPERIENCE:**

**Client: Guide One, Des Moines, IA Mar’2017 – Till Date**

**Role: Sr .Net Developer/ Angular Developer**

**Responsibilities:**

* Worked in **Agile** environment delivering functionality on time with quality as highest priority.
* Designed the web UI using **ASP.NET**, **HTML**, **DHTML**, jQuery, **Angular 4.0**, **JavaScript, JSON, CSS, XSL**, Web Forms and **AJAX** controls. Strictly implemented mobile first approach and responsive web design.
* Development of UI mock-ups, **prototypes** and implement user interfaces for key components of the web application.
* Involved in upgrading **Angular2.0** to **Angular4**.
* Involved in development of forms for Application Process and Selection process in **Angular 4/5**.
* Designed and developed Hybrid-Single Page Application using **C# 5.0, .Net core 1.0, .NET** **Framework** 4.5**, ASP.NET MVC 5,** and **AngularJS**.
* Migrated legacy line of business application and architected and designed to improve overall page response using **Asp.net MVC**, **Kendo** **UI** and Ajax.
* Integration with CICD (Continuous integration and continuous Deployment) Process for all microservices and serve them to external innovations.
* Designed and developed UI grids using **Angular.js** Framework.
* Code, debug, test, and implements solutions in .NET environments: **Visual Studio 2015, MVC**,
* **C#, VB.NET, NUGET** **Package.**
* Used **NuGet package** manager for consuming and managing the packages in the project.  
  Consumed **REST** (Representational State Transfer) services in UI service layer with the help of http and resource.
* The technology being used ranged from **.Net Framework 4.0, C#,** far point Spread and **SQL Server** 2008.
* Used **WCF, WCS**, **Web Services**, **APIs**, and **Angular2/4** for designing back end components.
* Worked on Model View Controller (MVC) pattern using **Angular2**/4.
* Involved in development of ERP solution using architecture and Microservices
* Designed, built, and deployed application to **AWS** stack (Including EC2, R53, S3, RDS, Dynamo DB, SQS, IAM, and EMR), focusing on high-availability, fault tolerance, and auto-scaling.
* Integrated Open stack API with Amazon EC2 cloud-based architecture in **AWS**.
* Developed **AWS** Lambda & RDS function to send a request for internal service end points through API Gateway using Apache Http Client.
* Implemented SOA (Service Oriented Architecture) with creating and consuming Web Services in VB.Net.
* Established **UX** design as the first stage of all Web and mobile application developments, instituting a user-centered design (UCD) approach. Frontend technologies **Angular 4.x/5.x**, Angular Material, **Bootstrap**.
* Implemented **AngularJS** Controllers to maintain each view data. Implemented Angular Service calls using Angular Factory.
* Worked closely with software developers and DevOps to debug software and system problems.
* Extensively Used **Git Hub** as version Control for the maintenance and status of the development of applications.
* Knowledge of Microservices groupings of lightweight services, interconnected, although independent of each other, without direct coupling or dependency.
* RabbitMQ cluster provisioning on **AWS** using Ansible.
* **AWS** RDS for Application Metadata.
* Keeping current with **Angular 2.0** and **Typescript** we could further modularize the app for reusability and consistency. Jasmine, Karma, and Wallaby.js were used for unit and integration testing.
* Designed components using JSX and reducers and actions using **React.js** and **Redux** using the latest version of JavaScript (ECMA 6).
* Experience working in a DevOps environment. Familiar with DevOps concepts, tools and practices.
* Designed web pages and wireframes for applications using MS Visio.
* Implemented **ORM** layers using Dapper**, LINQ**.
* Implemented few modules in **MVC 5**, entity framework code first pattern, Dapper (micro ORM), **Azure**.
* Used **ADO.NET** and Dapper to retrieve data from database.
* Worked with **WEB API's** to make calls to the web services using URLs, which would perform **GET, PUT, POST** and **DELETE** operations on the server.
* Created a RESTful **Web API** service using **ASP.NET** Web API to generate data for the **EMS** which was then consumed in the front-end by **AngularJS**.
* Design wireframes, user flows, comp visual design and code pages using **HTML5 / CSS3**.
* Developing UI layer using React, **Redux** framework.
* Business end user facing front pages using **Angular 2.0**, **CSS 3, HTML 5, JavaScript** and **Bootstrap**.
* Built application using **ASP.Net** **MVC Core**, Code First, **Angular 2.0.**
* Installed the tools as required for the project development from the **Nugget Package Manager.**
* Used **AngularJS** and **ng-grid JS** libraries as a part of client-side development
* Implemented **LINQ** for querying, sorting, filtering the complex objects.
* Used **WCF JSON** and **WCF** Rest service in developing and deploying on windows in line with the service oriented architecture **(SOA).**
* Used **jQuery** for **Client-Side** Validations and **AJAX** calls to communicate with Controller Actions and **Web API** Services with **JSON** Data.
* Developed **.Net core** functionality with the **ASP.NET MVC** Framework.
* Worked with **XSLT** for transforming the **XML** document to other format, and data change/updates.
* Worked in Test Driven Development (**TDD**) environment, wrote **Unit Tests** and **Integration Tests.**
* Deployed the **SSIS** packages on SQL server and scheduled the daily jobs on **SQL** server to load the data every day.
* Worked with data migration. Used tools like SQL Server integration services (SSIS) in transferring data from one database to another.
* Created Database objects like Tables, Stored Procedures and **Triggers** in SQL Server 2014.
* Developed reports using **BIDS, SSRS** according to the input parameters required by the business.
* Provided estimates, daily & weekly status report to the client on progress of the tasks.

**Environment:** C#, .Net 4.5, .NET Core 1.0, Visual Studio 2015, SQL Server 2014, **AWS**, Angular 2/4, Git Hub, ASP.NET MVC 5, ADO .NET, JavaScript, J Query, AJAX, HTML5, Bootstrap 4, NPM, Microservices, .Net Core 1.x/2.x, CSS3, Web API 2.0, Angular JS, TFS, IIS 7.0, WCF, Entity Framework 6, TFS, XML, XSLT.

**Client: Citizens Bank, Providence, RI Jan’ 2016 – Feb’ 2017**

**Role: .Net Developer**

**Responsibilities:**

* Participated in requirements gathering and compiled them into design document.
* Worked on Migrating existing. **SQL** extension file features from **MPF** to Managed Extensibility Framework.
* Developed Build Tools workload to build any Database projects without requiring **Visual studio**.
* Created Custom Controls, User Controls and used Dependency Properties to bind data on these controls.  
  Developed **Web Services** using Windows Communication Foundation (**WCF REST**) for integration with other systems.
* Involved in fixing the accessibility issues occurred in SSDP installation setup and Product bugs in **SSDT**(Sql Server Data Tools).
* Involved in resolving issues with UI accessibility in SQL Server Management Studio (**SSMS**) related to SQL service engine features.
* Creation & maintenance of private **NuGet** servers to create **NuGet packages**.
* Experienced in implementing the code migrations of entity framework using **NuGet package** manager console.
* Experience in implementing RESTful API's with azure service fabric stateless microservices using ASP.NET Core.
* **AWS** Elastic beanstalk for application deployment.
* Exposed Rest APIs through **AWS** API gateway and Lambda for Slack Integration.
* Designing **WPF** Forms, Custom Controls and User Controls using **XAML** language for interactive UI Program the Data Access Layer using **C# .Net.**
* Worked very closely with the DevOps team in Agile Methodology for deploying and building the automation Scripts in Continuous integration (CI) using Jenkins.
* Created and utilized **Web API** methods for database operations (CURD) through Entity Framework.
* Worked on designing and developing **WinForms** application.
* Experienced in using Inspect (Inspect.exe) tools to select any UI element and view the elements accessibility data.
* Configure and manage Windows Servers utilizing Hyper-V virtual machines.
* Experienced in troubleshooting and remote **debugging** issues in virtual Machines. Used Fiddler, Chrome Developer Tools, IE Developer Tools for debugging, track down layout issues, set JavaScript breakpoints.  
  Extensively Used **TFS** (Team Foundation Server) for the maintenance and status of the development of applications.
* Used **Fiddler**, Chrome Developer Tools, IE Developer Tools for debugging, track down layout issues, set JavaScript breakpoints.
* Proficient in using Design patterns like Singleton, Factory, Abstract Factory, Observer Pattern for solving problems in software design.
* Created and Consumed **Restful** services using **Web API**.
* Developed and enhanced the application using the **MVC 5**.
* Developed user interface using **HTML5 CSS 3 and JavaScript and jQuery templates**.
* Used **jQuery** with **Ajax** for loading data asynchronously in the user interface.
* Used Microsoft **Entity Framework** Code First approach for the Data Access Layer.
* Enhanced Database schema, Data Tables, **Stored Procedures**, Functions, Triggers, and Indexes, Cursors and Views to manipulate the data using **T-SQL.**
* Build Automated test suite to increase the automation coverage for regression test cycle.
* Experienced in testing navigational structure of the automation elements in the UI automation tree.
* Extensively used Screen readers like Narrator, **NVDA** and color contrast analyzer**(CCA**) to test accessibility issues before and after fixing the defect.
* Created a vpc in **AWS** for environments with both a public and prvt sub net
* Responsible for writing, fixing and testing **unit** **test** **cases** and **Functional** **Testing**.

**Environment:** .Net Framework 5.0, .NET Core 1.0,C#, Angular 2/4, Asp.Net MVC 4 Git, TypeScript, WPF, WinForms, HTML5, SASS, CSS3, Windows Server2016, **AWS**, NPM packages, Agile, HTML, CSS, MEF, MPF, WCF, Fiddler, SQL ,T-SQL, SQL Server Management Studio(SSMS).

**Client: Bed Bath & Beyond, NJ** **Jan’2014 – DEC ‘2015**

**Role: .Net Developer**

**Responsibilities:**

* Development was done using **Agile** methodology with daily scrums, paired programming using TDD and continuous integration using the **SDLC** process.
* Participated in daily **scrums** and weekly meetings with the project sponsors to meet expectations and deadlines.
* Web application that accepts and updates customer financial transaction information was developed **under MVC Architecture.**
* Implemented features in **ASP.NET MVC** application using **NHibernate.**
* Involved in developing applications in **C#** to meet the business requirements using Visual Studio.NET 2008.
* Used the Object Oriented Programming (**OOP**) techniques and created classes (in C#.NET) for database access.
* Extensively used **jQuery**, **Ajax** to reduce connections to the server, since scripts and style sheets only have to be requested once.
* Design and development of web applications using .Net Technologies **C#, Asp.Net MVC4, WCF** **Services,** **Angular 2, jQuery, HTML5 and CSS.**
* Used **jQuery, JavaScript, Angular JS, Bootstrap** and various web controls to present data to users in a much comfortable environment.
* Worked with **Web API** to provide services to **HTTP** requests.
* Experience in implementing full text search platform using NoSQL **Elasticsearch** engine, allowing for much faster, more scalable and more intuitive user searches for our database.  
  Involved in Developing **WCF** services to enable effective communication.
* Worked extensively on web forms and data binding controls like **JQ Grid**, drop down boxes and Mapping page fields to the database fields.
* Programmed **LINQ** for communication between application and database, used extensively Data Grid.
* Involved in design, development and Modification of **PL/SQL** stored procedures, functions, packages and triggers to implement business rules into the application.
* Wrote **Shell scripts** to insert data to database tables. Wrote **PL/SQL** code to retrieve data for master and detail blocks.

**Environment:** Visual Studio 2008, .NET Core, ASP.Net 3.5, C#3.0, Web API, Web Forms, Oracle 10g, Elastic Search, PL/SQL, LINQ, WCF, T-SQL, MVC 3.0, TFS, jQuery, HTML, CSS, JavaScript.

**Client: United Health Group, Bengaluru, India Jan’2013 – Aug’2013**

**Role: .Net Developer**

**Responsibilities:**

* Involved in design & implement of the hospital patient management software using **C#** and **Visual Studio**.
* Analyzed the requirement and designed and implemented the database model by using MS SQL Server and database first model to generate the **POCO** class.
* Designed and developed the software by using Web Form framework with an **n-tier** design pattern.
* Developed several operations including insert, update, search and delete functions including patient information, conditions information, symptoms information, and treatment information using **C#** and **ADO.Net**.
* Worked to improve application performance using output caching, fragment caching and data caching.
* Implemented data access layer using **ADO.NET** classes such as Dataset, Data Table, and Data Row.
* Implemented front pages to be the **UI** to show the patient records by using **HTML, CSS, JavaScript, jQuery** to display the patient information and the corresponding conditions, symptoms, and treatment.
* Used **SSRS** and **SSIS** to generate the report and perform data processes and **ETL**.
* Comprehensively tested, maintained, documented, and deployed the application by using **TFS**.

**Environment:** C#, Microsoft SQL Server 2012, TFS, Web Form, LINQ, ADO.NET, HTML, CSS, JavaScript, jQuery, Microsoft visual Studio.

**Client: Axis Bank, Hyderabad, India June’2010 – Dec’2012**

**Role: Jr. SQL Developer**

**Responsibilities:**

* Involved in developing Data models, Data dictionaries, mapping documents and cross functional documents across systems for all the **ETL** needs.
* Created data accuracy and consistency reports.
* Created complex relational database queries/SQL, dynamic **SQL**.
* Used various report items like tables, sub report and charts to develop standard and customized reports.
* Worked on designing, coding, testing and maintaining database objects, tables, views, packages, functions, procedures, indexes, sequences and triggers using **Oracle PL/SQL**.
* Developed the ETL mappings in PL/SQL via packages, procedures, functions, views and triggers.
* OWB repository creation/configuration/monitoring, mapping/process flow development.
* Perform reverse engineering of physical data models from databases and **SQL scripts**.
* Built physical data structures like tables, views, constraints & Indexes.
* Designed SSIS Packages to transfer data from various sources like Text Files, XML Files, Excel, Flat files to SQL Server 2008.
* Loaded the data into database tables using **SQL\*loader** from text and excel files.
* Developed data model, SQL Queries, SQL Query tuning process and Schemas.
* Designed **SSIS Packages** to transfer data from various sources like Text Files, XML Files, Excel, Flat files to SQL Server 2008.
* Involved in developing **Data models**, Data dictionaries, mapping documents and cross functional documents across systems for all the ETL needs.
* Created complex relational database queries/SQL, dynamic SQL.
* Used various report items like tables, sub report and charts to develop standard and customized reports.
* Worked on **designing**, **coding**, **testing** and maintaining database objects, tables, views, packages, functions, procedures, indexes, sequences and triggers using Oracle PL/SQL.
* Developed the ETL mappings in PL/SQL via packages, **procedures**, **functions**, **views** and **triggers**.
* OWB repository creation/configuration/monitoring, mapping/process flow development.
* Perform reverse engineering of **physical data models** from databases and SQL scripts.
* Built **physical data structures** like tables, views, constraints & Indexes. Involved in physical and logical data modeling using **Erwin**.
* Designed **SSIS Packages** to transfer data from various sources like Text Files, XML Files, Excel, Flat files to SQL Server 2008.
* Loaded the data into database tables using SQL\*loader from text and excel files.
* Developed data model, SQL Queries, SQL Query tuning process and Schemas.
* Designed **SSIS** Packages to transfer data from various sources like Text Files, **XML Files**, **Excel**, **Flat files** to **SQL** Server **2008**.

**Environment:** Oracle 11g, PL/SQL, SQL Loader, SSIS, ODI, SQL\*Plus, Erwin, ETL, Microsoft SQL server 2008.