Sindhu k

Senior Dot Net Full Stack Developer

PROFESSIONAL SUMMARY:

* 9+ years of experience in **Software development life cycle** (**SDLC**) especially in **Analysis, Design, Development, Testing** and **implementation of major systems.**
* Worked on **software methodologies** like **Waterfall, Agile, Scrum and Test-driven Development (TDD).**
* Used **Scrum Agile Methodology** in my work (**Daily Scrum Meeting, Planning Poker, Sprint Backlog, 1on1 meeting**) & managed **weekly, and bi-weekly agile sprints** with teams’ sizes over 10.
* Expertise in using **Microsoft Technologies** such as **.NET Framework, ASP.NET, MVC, .NET Core, ADO.NET, Entity Framework, XML, Web Services, AJAX, WCF, WPF, SOAP and REST architectures.**
* Extensive experience in developing **web pages** using **HTML5, XHTML, DHTML, CSS3, JSON, jQuery, AJAX, Bootstrap, Razor View Engine and Angular (4,6,8).**
* Extensive experience in programming using **AJAX Control** **Toolkit, jQuery, JavaScript, HTML5, CSS3.**
* Experience working on **N-Tier** Architectures such as **MVC** (Model View Controller), **MVVM** (Model View, View Model) in developing web applications using **ASP .NET MVC.**
* Developed **windows applications** using **Win forms,** **WPF, WCF** **services**.
* Experience in creating and consuming **XML** **Web services** including **XML Schema, SOAP, WSDL.**
* Experienced in developing **Web services, WCF services, Web API** andperforming **CRUD** operations using **RESTful and SOAP architectures.**
* Developed **Single Page Applications (SPA)** with **Angular JS/2/4** and consumed various **APIs** that are created with **ASP.NET Web API** by using Code First Approach in **Entity Framework.**
* Experience on **ADO.NET** objects such as **Data Adapter, Dataset and Data Reader** to interact with databases like **SQL Server (2014, 2017,2019)** **and Oracle.**
* Extensive experience in relational database development, for creating complex database queries, writing **Constraints, Indexes, Views,** **stored procedures, triggers** and **functions** using **T-SQL and PL/SQL** in Microsoft **SQL Server (2014, 2017,2019)** **and Oracle.**
* Experience in **complex, scalable software** solutions utilizing **MS Azure** and worked on **Azure** **cloud computing.**
* Experienced in **Documenting, Preparing Test Plans, developing test cases and Testing** such as (unit, system, integration, user acceptance testing and regression testing).
* Experience in using **configuration Management Tool** such as **Team Foundation Server (TFS), GIT** and **Visual Source Safe (VSS)** for version control.
* Involving in data migrations using **SSIS** and developed business reports using **SQL Server Reporting Services (SSRS) and Crystal Reports** for Client-Server and Web based applications.

Technical Skills:

Languages C#, HTML5, CSS3, JAVASCRIPT, jQuery, SQL.

.NET Technologies C#.NET, ASP.NET, ASP.NETCore,ADO.NET, WCF, WPF, LINQ, Web Services, Web Forms, Win Forms, Web controls,Custom Controls, User Controls, AJAX, SSRS, SSIS.

Database MY SQL Server (2014, 2017,2019) Oracle.

Internet Programming HTML5, JavaScript, jQuery, Knockout JS, CSS3, XML, .NET Core, Angular (4,5,8), COM, WSDL.

Tools Microsoft Visual Studio, Microsoft Visual Code.

Web Server Microsoft Internet Information Services (IIS), Visual Studio.Net, Microsoft Windows API.

# Professional Experience:

# RCIS(Zurich) - Dallas, TX April 2021 - Till Date

# Senior Dot Net Full Stack Developer

# A strong crop insurance system is the cornerstone of U.S. farm policy and the safety net of American agriculture. Crop insurance has become the top risk management tool for U.S. farmers and ranchers—and more than 90 percent of insurable farmland in the U.S. is now protected through the federal crop insurance system.

# **Responsibilities:**

* Participation in Software Development Life Cycle (**SDLC**) processes like requirement analysis, design, development, test, deploy, documentation, support and maintenance of software applications.
* Development was done using **Agile methodology** with daily scrums, weakly Retro, paired programming using **TDD** and continuous integration using the **SDLC** process.
* Designed and developed new UI applications using **C#, ASP .NET MVC (4.7.5)** with **Razor View Engine, AJAX, HTML5, CSS3, Fontawsome (6),** **Java Script, jQuery, TypeScript, JSON, Angular (4-12).**
* Created **WCF** service that performs a search on various entities as well as consumed the **web** **services** in the application.
* Created custom validators and used them in **Angular (4,6,8) Forms** which are responsible for developing the front-end technologies like **Java Script, jQuery, AJAX, Angular, Bootstrap, HTML5, CSS3.**
* Developed login page security for the applications. Used **ASP.NETCore, Kendo ui, HTML 5** and **Entity framework (2-7).**
* Used **Grid views** and **Web Grids** and **custom controls** for showing user data using row and column wise design.
* Created and consumed **Restful Web API** to achieve Screening and transfer **JSON** data by using **Http** protocols and incorporated the same in UI using **Angular (4,6,8).**
* Wrote **Data Access Layer Methods** (**ADO.NET)**, **T-SQL Queries**, **Store Procedures, and SQL User Defined functions** for fetching Transaction details, Customer Details, and Product Configuration data.
* Developed Code in **C#** with **ADO.NET** and **Entity Framework(2-7).** For better results **LINQ** queries are used.
* Worked on different types of **authentications** and **authorizations** for application security.
* Created and deployed **XML Web Services (WCF)** using **ASP.NET** and **C#,** used them to generate the proxy class files based on the web services and consumed in web application.
* Design and implement **Restful** **API** layer along with calls to consume an **API** layer using c#.
* Maintained and enhanced the existing applications in **WPF** and **WCF** and generated **PDF** reports of data from the **WPF** components.
* Worked on **SQL server** database to store and retrieve data using complex **SQL queries** and **stored procedure triggers.**
* Monitoring of **system logs**, **OS logs**, **database logs**, trace files, database alert files to detect and troubleshoot runtime problems.
* Executed the **automated** **regression** **test** **cases** during every release and also executed the daily regression test suites using **selenium.**
* Experience in deploying applications with Cloud Services by creating a simple Cloud Service with Visual Studio, testing it locally, deploying to a live **Microsoft Azure** Cloud environment.
* Implemented security in **web applications** using **Azure** and deployed web applications to **Azure**.
* Implemented complete **CI/CD** process in new and existing **ADF** environment while making credentials secure in **Azure Key Vault**, and deployed production ready **ADF** resources using **Azure pipeline releases**.
* Experience in database design and development using SQL Azure, Microsoft SQL Server, Microsoft Access.
* Involved in unit testing and code reviews while development and fixing the bugs.

**Environment:** .Net Framework, .Net Core, Visual Studio (2012,17,19), C#, ASP.Net 4.5, CSS3, Bootstrap, HTML5, AJAX, JavaScript, jQuery, Angular (4,6,8), SQL Server (2012,14,16,17,19), SSRS, SSIS, LINQ, ADO.Net, Entity Framework, TFS, Web API.

# Kinder Morgan - Houston, TX Sep 2018 – March 2021

# Senior Dot Net Full Stack Developer

Kinder Morgan is one of the largest energy infrastructure companies in North America. It owns an interest in or operate approximately 83,000 miles of pipelines and 147 terminals. Its pipelines transport natural gas, gasoline, crude oil, carbon dioxide (CO2) and more. Our terminals store and handle renewable fuels, petroleum products, chemicals, vegetable oils and other products.

# **Responsibilities:**

* Effectively involved in various parts of **design and development** of the project having **daily scrum** meetings with team members and business analysts for requirement gatherings and modifications.
* Experienced in a fast-paced **Agile** Development Environment including Scrum, and Extreme Programming.
* Developed web applications using **ASP .NET MVC** and **N-tier architecture** asper the business needs.
* Developed the applications using **C#, ASP .NET MVC** with **Razor View Engine, AJAX, HTML5, CSS3,** **Java Script, jQuery, TypeScript, JSON, Angular (4,6,8).**
* Created **single Page Application** and build **route services** using **Angular (4,6,8), Typescript, HTML5, CSS3, and Bootstrap.**
* Developed login page security for the applications. Used **ASP.NETCore, Kendo ui, HTML 5** and **Entity framework(2-5).**
* Used **Grid views** and **Web Grids** and **custom controls** for showing user data using row and column wise design.
* Worked with **Web API Routing** prefixes on the controllers and Developed application using **Web API** to implement global level **authentication.**
* Developed Code in **C#** with **ADO.NET** and **Entity Framework(2-5).** For better results **LINQ** queries are used.
* Worked on different types of **authentications** and **authorizations** for application security.
* Created and deployed **XML Web Services (WCF)** using **ASP.NET** and **C#,** used them to generate the proxy class files based on the web services and consumed in web application.
* Worked on **SQL server** database to store and retrieve data using complex **SQL queries** and **stored procedure triggers.**
* Proficient in all aspects of software life cycle like **Build/Release/Deploy** and specialized in **cloud automation** through **open-source DevOps tools** like Jenkins.
* Strong experience in **Test-driven development** (TDD) using MS **Unit Testing and Nunit.**
* Used **TFS** as a Code Repository and followed source code handling practices like Check-In daily basis.

**Environment:** .Net Framework, .Net Core, Visual Studio (2012,17,19), C#, ASP.Net 4.5, CSS3, Bootstrap, HTML5, AJAX, JavaScript, jQuery, Angular (4,6,8), SQL Server (2012,14,16,17,19), SSRS, SSIS, LINQ, ADO.Net, Entity Framework, TFS, Web API.

# Williams-Sonoma - San Diego, CA Jan 2018 – Sep 2018

# Senior Dot Net Full Stack Developer

Williams-Sonoma is an American publicly traded consumer retail company. It is one of the largest e-commerce retailers in the U.S. and one of the biggest multi-channel specialty retailers in the world.

# **Responsibilities:**

* Worked with **Agile Development methodology** (SCRUM, Test Driven Development (TDD), Pair Programming, and Continuous Integration) for all development phases of the **SDLC**.
* Developed and enhanced client and broker account management portals by using User interfaces such as **Angular (4,6,7)**, **jQuery**, **HTML5**, **XHTML**, **XML**, **DHTML**, **Bootstrap**, **CSS**, **JavaScript** and **AJAX**.
* Worked on creating **ASP.NET Web Pages** with the help of **ASP.NET**, **C#** and developed **PowerShell** scripts by using **Entity framework** for datasets.
* Implemented **JavaScript** and **Angular (4,6,7)** framework in the project to develop responsive website with rich **GUI**.
* Developed and enhanced **jQuery** Plug-ins by **AJAX** calls and **Angular (4,6,7)** factories/services to call **WCF** services.
* Involved in Generic classes for **Business Layer** and **Data Access Layer** using **C#.**
* Utilized **C#** generics, **delegates**, **events**, **extension** methods, anonymous types, and **lambda** expressions.
* Developed the application using **ASP.NET** with **MVC**, **MVC Razor View Engine**, **WCF**, **Entity Framework** and **Microsoft Team Foundation Server** (TFS).
* Developed several **REST web services** supporting **XML** and **JSON** to perform tasks. Involved in creation of **.NET services** and used **AJAX** for consuming the Services remotely.
* Played a key role in team for migrating **UI** application from **ASP.NET** to **Angular** **(4,6,7)** **WEB** **API**.
* Used **Language Integrated Query** (LINQ) and **MVC Razor** syntax to write mixed script with **HTML**.
* Solid understanding and Experience in cloud computing-based services architecture, technical design and implementations including **IaaS and PaaS**.
* **Used SQL Azure** extensively for database needs in Customer Lookup and Improved application performance using **Azure Search** and SQL query optimization.
* Implemented **Azure Application Insights** to store user activities and error logging.
* **DevOps** and **CI/CD**, Release Management, Version Control, and Backup & Recovery, Release Management, scalable framework, industrial strength and robustness in deployment environment.
* Develop **stored procedures**, **functions**, and **triggers** using **T-SQL**, **MS SQL Server** for fetching data and binding, created automated **Unit Tests** and involved in writing **Test Plans** for user **Testing**.

**Environment:** .Net Framework, Visual Studio, C#, ASP.Net 4.5, CSS3, Bootstrap, HTML5, AJAX, JavaScript, jQuery, Angular (4,6,7), SQL Server (2012,14,17), SSRS, SSIS, LINQ, ADO.Net, Entity Framework, TFS, Web API.

Illumina- San Diego, CA March 2017 - Dec 2017

Senior Dot Net Full Stack Developer

Illumina aspired to transform human health. Its initial products enabled researchers to explore DNA at an entirely new scale, helping them create the first map of gene variations associated with health, disease, and drug response. Every breakthrough opened up a new world, and showed us how much further there is to go.

**Responsibilities:**

* Working with design team to analyze the Requirements, creating Design documents and Technical Definition Documentations and Worked in **Agile/Scrum Development** Methodology.
* Developed presentation layer by utilizing **AJAX, ASP.NET, JavaScript, Angular JS/2, Bootstrap, JavaScript, HTML5, DHTML, XML, jQuery, CSS3** and Business Layer **using C#.**
* Efficiently using technologies such as **C#,**[**ASP.NET**](http://asp.net/)**, MVC, WCF, Web** **API,**[**ADO.NET**](http://ado.net/)**, Entity framework, SQL Server and RESTful Services.**
* Configured security features for the application using Form Based **Authentication** and Role Based **Authorization** using **C#** and **ASP.NET.**
* Leveraged design pattern to organize **Angular 2** controllers, directives and views in the various pages.
* Worked on **Angular JS/2** framework in most of the pages which includes web parts.  Developed service-oriented architecture, **APIs, JSON**.
* Used **Restful** in the **Angular 2** page with **Web API** and implemented **Angular** Controllers to maintain each view data and Used **Restful** using **Web API** to get data from server asynchronously.
* Developed **ASP.Net Web API** controllers that involved in implementation of service layer components and data object layer components using **ASP.Net MVC** web application.
* Involved in developing **WCF** Services and invoking them by using **XML SOAP, WSDL and Restful services.**
* Implemented the functionality for the plugin using **C#, MVVM, WCF and Entity Framework.**
* Resolving the technical errors on [**ASP.NET**](http://asp.net/) applications by debugging the source code and orfiguring out the database access issues.
* Develop **stored procedures, functions, and triggers** using **SQL** and **T-SQL** in MS **SQL Server** for fetching data and binding
* Created Master pages and used them to create a consistent page layout for all the pages in the Application and worked on **Azure** **cloud computing**
* created automated **Unit Tests** to test the functionality of the web application using **Nunit** Framework and used the MS Test runner to test the web application.
* Implement **Git** as Source Control, **JIRA** for requirements gathering and testing and Bug tracking, Jenkins as build and deployment tools.

**Environment:** VisualStudio.NET, ADO.NET, WCF, Web API, jQuery, Entity framework, JavaScript, JSON, AS.NET, C#, XML, HTML5, CSS3, Angular JS/2, Restful API, Entity Framework, MVC, ASP.NET, SOAP, SQL SERVER, SQL, T-SQL, JavaScript, TFS, Windows Server, Nunit-Test.

Tenet Healthcare- Dallas, TX Sep 2016 – Feb 2017

Dot Net Developer

# Tenet Healthcare Corporation is a multinational investor and acquired several large health care companies. It is the third-largest investor-owned hospital company in the U.S in terms of revenue and the third-largest in numbers of hospitals owned.

# **Responsibilities:**

* Developed the application using **ASP.NET, C#.NET, AJAX, jQuery, JSON, HTML5, JavaScript, TypeScript, Angular JS, CSS3.**
* Designed the application using an **MVC architecture** that promotes a clear separation of presentation, business logic and data access tiers andused **ASP.NET MVC** Page Controller pattern to add functionality to individual pages.
* Developing the **web applications** majorly in **C#, ASP.NET, Angular JS, JavaScript, CSS3 and HTML5.**
* Developing various Visualized reports like Column chart, Drilldown chart, stacked area charts using High charts by parsing data into **JSON** format to the view by **jQuery AJAX** calls.
* Applied **Angular JS** client-side validation using **HTML5** attribute and **Angular JS** form and input state.
* Extensively used **User interface** controls which use **jQuery** to ensure client-side validation.
* Applied **XML** intensively to bind the data to the Web Controls, Data manipulation to store data.
* Designed and Developed Medical Device integration with Asynchronous **JavaScript** communicating with **REST Web API.**
* Experience in Web Services, **Windows Communication foundation** (WCF), **Web API**as well as **Internet Information Service** (IIS) and data transfer in **XML, JSON, Plaintext.**
* Used **WCF** for developing and deploying services on windows in line with the Service Oriented Architecture (**SOA**) and Extensively worked on **MVVM** design patterns.
* Worked on the effective resolving on the **cross-browser** issues.  Developed **WPF services** using **MVP pattern** to retrieve data from Data layer.
* Involved in modifications to the **XML** requests and response as per the Business Requirements and **Testing multiple** content controls that are created and incorporated in to **TFS** work item types.
* Developed **stored Procedures, functions, and triggers** using **SQL and T-SQL** in MS **SQL Server.**
* Involved in writing complex queries using **T-SQL** programming. Extensively involved in designing the **SSIS** packages to export data of flat file source to **SQL** **Server Database.**
* Implemented **Unit Testing, Integration Testing and System Testing using Nunit** to ensure Code Stability and functionality.
* Worked on **cloud computing using Azure** which provides an **API** built on **REST, HTTP, and XML** that allows a developer to interact with the services provided by **Microsoft Azure.**

**Environment:** C#, ASP.Net, MVC, Visual Studio, Angular js, Bootstrap, JQUERY, WPF, WCF, WEB API, VB.Net, JavaScript, XML, REST, IIS, HTML5, CSS3, CSHTML5, SSIS, SSRS, SSAS, PL/SQL, LINQ, SQL Server, Microsoft Azure, Oracle, TFS, Unit testing.

# IPCL Gujarat, India Jan 2014 – Nov 2015

# Dot Net Developer

# Indian Petrochemicals Corporation Limited (IPCL) is a pioneer in the Investment Casting business in India, set up in 1975 under technical collaboration with arwood International, USA.  IPCL is today the technology leader in the industry in India, producing very complex investment castings in a wide range of material specifications and piece weight up to 150 Kgs. The company acquired additional technologies which enable the company to produce its own Ceramic cores and Ceramic moulds.

# **Responsibilities:**

* Highly involved in creating structure and **UML Diagram** (Structure Diagrams, Logical Diagrams, and Use Case Diagram) for Technical Design Documentation.
* Developed Applications using **.NET Framework** Object oriented Principles (**OOP**) (**C#**) and n- Tier Architecture.
* Designed Graphical User Interface (**GUI**) for various web pages using **AJAX, HTML5, CSS3, JavaScript and Silverlight.**
* Worked on both **MVC** Design pattern to develop service-oriented applications as per the requirement and validate all request and response objects with the schemas using **SOAP** Extension, **XML Serializes** and **XML validating Reader.**
* Implemented and maintained an asynchronous, **AJAX** based client web pages to improve user experience and extensively used **JavaScript** for client-side validations.
* Used **ADO.NET Entity Framework** for abstracting data stored in database.
* Developed and consumed **WCF and RESTFUL Web API services, APIs** and other back end components.
* Securing strong experience creating windows **UI** using **WinForms** and **WPF with MVVM** pattern.
* Improved performance of the database by creating Clustered and non-clustered Indexes and by optimizing the **T-SQL** statements using **SQL profiler.**
* Involved in **unit testing using Nunit testing** and integration testing of the application and Heavily used **LINQ to SQL** to retrieve data from Server.
* Used Microsoft Team Foundation Server (**TFS**) for all source code maintenance among the whole team members.

**Environment:** ASP.NET, C#, VB.NET, ADO.NET, Visual Studio, SQL Server, T-SQL, ADO.NET Entity Framework, .NET Framework, JavaScript, SOAP, RESTFUL, Web Services, WPF, WCF, Silverlight, HTML5, CSS3, LINQ, TFS.

# Mastek, Mumbai, India May 2013 – Dec 2013

# Dot Net Developer

Mastek Inc. imagines, creates, and delivers digital transformation and brand experiences that bonds customers to your brand, drives revenue, and cultivates loyalty. Our talented teams collaborate closely with our clients to create engaging and innovative digital transformation solutions for global organizations, B2C and B2B.

# **Responsibilities:**

* Involved in User Interface development using **HTML** and Designed and coded **3-tire applications** with front-end development in **MS VB.NET, WCF, C#, ASP.ENT.**
* Extensively used **Data Adapter, Data Set, Data Table and Data Reader** for binding data from database to the various web forms using **ADO.NET.**
* Implemented Component-One Charts to generate charts for web applications and Developed and consumed **XML Web services** using **SOAP and WSDL.**
* Developed Design Documentation using Class Diagrams, Use Cases and Activity Diagrams based on User Scenarios using **UML.**
* Writing **T-SQL** stored procedures, User defined Functions, **SQL** queries and views on **SQL Server.**

**Environment:** .NET Framework, Visual Studio, C#, ASP.NET, VB.NET, ADO.NET, XML, SOAP, WSDL, SQL Server, T-SQL.

# Education:

# **Bachelor’s in computer science.**

**Master’s in information science and technology in web design.**