**Saikiran Puppala**

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# **Professional Summary:**

* Over 7+ years of Experience in developing windows, web applications using **C#.Net**, **ADO** and **ASP.NET**. Also involved in various phases of software development life cycles (**SDLC**) like requirement gathering, analysis, design, implementation testing and deployment.
* Knowledge of Object Oriented Programming Concepts, in applying Object Oriented Analysis and Design (**OOAD**), **UML** and design patterns like Singleton Factory and **MVC**.
* Programming experience in Microsoft Technologies like **.NET** (**3.5, 4.0,4.5**) Framework, Visual Studio 2010, 2008, 2005), **C#**, **ASP.NET**, **VB.NET**, **Web Services**, **WCF Services, Microservices**, **MVC**, **WEB API**, **RESTful Services**, **ADO.NET**, **LINQ** to Entities and **AJAX**.
* Experience with **CI** (Continuous Integration) and **CD** (Continuous Delivery) methodologies using Jenkins.
* Strong hands on development and configuration experience with software provisioning tools like **Ansible, Chef**. Good hands on experience on setting up **Jenkins** on servers and to create **CI-CD** pipelines using it.
* Hands on Experience for creating HDInsight cluster CI-CD pipeline for Message Queuing services using Gradle build tools to generate python files, java jar file and deploy those as artifact from J**Frog** Artifactory to Azure cloud server using Jenkins in multiple environments.
* Worked on providing the needs and objectives of the business, the processes required to meet the needs, and the key operational and environmental factors that influence this migration from Salesforce to **Dynamics CRM**.
* The main objective is to migrate the Sales Process from Salesforce **CRM** to Microsoft dynamics as a Cost saving solution and to optimize and improve the sales procedure followed by the BDE.
* Worked on providing the needs and objectives of the business, the processes required to meet the needs, and the key operational and environmental factors that influence this migration from Salesforce to **Dynamics CRM**.
* Strong experience working with HDFS, MapReduce, **Spark**. Hive, Pig, Sqoop, Flume, Kafka, Yarn, Oozie and HBase. Good understanding of Distributed Systems, HDFS architecture, internal working details of MapReduce and **Spark**processing frameworks
* Experience in designing and developing applications in **Spark**using Scala to compare the performance of **Spark** with Hive and **SQL/Oracle**
* Installed Big-data components such as **Event-hubs**, **Stream-Analytics**, **CosmosDB**, **BLOB storage, HDInsight Spark Cluster** on **Microsoft Azure Cloud using Jenkins CI/CD pipeline.**
* Worked on **JIRA** stories for creating new **CI/CD** pipelines for Big-data components deployments on Azure and for the existing on-prem server in every sprint.
* Experience with **Multithreading**, **Memory management** and **Caching mechanisms**
* Designing **UI** and build enterprise level applications using **MVC**, **C#**, **Kendo UI Controls, WEB API, Microsoft SQL server 2012**, Microsoft Enterprise library.
* Experience in **UI/UX** development with JavaScript**, jQuery, AJAX, JSON, CSS, Angular.JS, HTML, HTML5 and DHTML (CSS)**
* Good knowledge on making the RESTful web services using **NODEJS.**
* Experience at building single page application websites using **Angular 6 with Node.JS**
* Solid working experience on **AngularJS, ReactJS**.
* Hands on Experience with both **Waterfall** and **Agile Scrum methodology**.
* Experience in Backend technologies like **SQL, PL/SQL**, **Database Triggers, SQL Stored Procedures**, database-interfacing elements like **SQL command, Data reader, Data set and Data Adapter.**
* Used SQL Server Management Studio to create Stored Procedures, **SQL Functions and T-SQL statements**.
* Experience developing with **WPF, Silverlight (4.0/3.0), XAML and MVVM**.
* Extensively used Configuration Management tools like **Visual Source Safe (VSS), Subversion (SVN) and GIT Hub** for source control.
* Used **Confluence and JIRA (Atlassian tools)** for maintaining defects and documentation.
* Experience in hosting and configuring the applications using cloud services like **Microsoft Azure and Amazon Web Services (AWS)**.
* Extensively developed data transport among client and service host using binding techniques like **HTTP, FTP, SMTP and TCP** protocols and used **HTTP GET** and POST methods to transfer the data among multiple web pages.
* Translated complicated enterprise specific business rules and procedures into appropriate business logic components such as code libraries, stored procedures and security models.
* Ability to implement directives, source controllers and other services using **Web services, WCF and Web API**.
* Very good knowledge in connecting .net framework with **SQL** using entity framework, **LINQ to SQL, LINQ to XML** technologies.
* Hands on experience on developing **3-tier and N-tier** architecture based on functional requirements and business logic that is provided.
* Followed **MVVM** design pattern and Test Driven Design (**TDD**) using the **N-unit and** Moq**.**
* Extensive expertise in generating reports using tools like **Crystal Reports, SQL Server Reporting Services (SSRS) and SQL Server Integration Services (SSIS)**.
* Experience with Object Relational Modelling(**ORM**) using Entity Framework
* Extensively used **SSIS** Import/Export Wizard, for performing the **ETL** operations.
* Excellent communication skills bridging Client Interaction and Team Management.

**Technical Skills:**

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| --- | --- |
| Languages | C, C#, .NET 3.5/4.0, .Net core1.0, 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, User Controls, Web Services, Ajax, ADO.net, WCF, MS Dynamics CRM 2013/2015/2016, MS dynamics 365 (Online) |
| Development Tools | Microsoft Visual Studio 2005, 2010, 2013, Eclipse |
| Designing Tools | Visio, Dream Weaver, Flash 5.0, Adobe Photoshop CS5, Flex builder 4 |
| Databases | Microsoft SQL Server 2008/2013/2014, R2, Oracle 10g. |
| Packages | MS Office 2007, 2010, 2016. |
| Operating Systems | Windows XP, Vista, 7, Linux (Ubuntu)/UNIX. |

**Professional Experience:**

**Client: RX Crossroads, Louisville, KY Feb 2017 - Till Date  
 Role: Full Stack Developer**

**Responsibilities:**

* Responsible for gathering the new requirements, change requests and analyze the requirements given by the clients.
* Extensively involved in development of the applications using **C#**, **Asp.net**, **WCF**, **Web Services**, **WPF**, **JavaScript**, **jQuery**, HTML, **CSS** and involved in code reviews as well as bug fixing and documentation.
* Developed front-end components using **Angular6, TypeScript, Angular** Material and ngx-bootstrap.
* Developed route guards and resolver services in **Angular 5**.
* Build front-end using Angular 5 and upgraded to Angular 6 and back-end using ASP.NET MVC and RESTful API.
* Create custom mobile and PWA applications using **Angular 5**, Ionic 3 for cross platform deployment.
* Create Reactive forms using **Angular** for greater form control and validation.
* Implemented two-way data-binding in Angular to handle the automatic synchronization of data between the model and view components. Used observables and subscriptions.
* Wrote **C# REST WebAPI** Services that retrieves data from SQL Server and returns in JSON format to frontend application.
* Worked on mapping Telemetry data to CRM in compliance with Windows as a Service, which is a fundamental change in how Microsoft plans, builds, and delivers the operating system.
* Understood the business and functional requirement and created User Stories, Business Process and CRM Data and Form mapping.
* Developed Main View and Single View Dashboards as an extension of**Dynamics** CRM.
* Configure and implement **CRM** functional and application modules, encompassing account and contact management and commission management.
* Development of various **CRM**-related scripts and utilities.
* Assisted with Business Applications communications, messaging and alignment
* Extending **Microsoft Dynamics 365, MS Dynamics CRM** Functionality through the **SDK**.
* Worked on preparing the test lab guides to add **Dynamics 365** to Office 365 to the test environment.
* Worked on unit testing the field services for **Dynamics 365** by master service call, optimizing schedules and using predictive tools to increase profit.
* Written code for automation testing using PowerShell scripts to test assignments **Dynamics 365** licenses and systems administrators.
* Performed unit testing on applications for **Dynamics 365** and developed systems and user documentation for the web products specialized in mobile development.
* Created **Dynamics CRM** Form, Views, report mock up, Security Role matrix, **SSRS** Reports as part of initial phase of the project and customer demos.
* Designed and created models, components, modules, and services to apply client-side logic and dependency injection using **Angular 2**.
* Configured auto-triggered, auto-build and auto-deploy with the **CI/CD** Tools like **Jenkins.**
* Worked on the performance tuning of **Spark** data frames for aggregation using dynamic partition, creating the temp views needed.
* Develop a**Spark** Streaming pipe line which ingests Activity data and Email Delivery Events into S3 using Kinesis. Processed the data using the **Spark** programing and store in S3 bucket, Redshift.
* Developed **Spark**applications for the entire batch processing by using **Scala.**
* Implement/Engineer **CI/CD** strategies as defined by the **CI/CD** architects.
* Implemented form Validations using **Data Annotations** in the Model.
* Broad practical knowledge of numerous **CI/CD** technologies.
* Used **JavaScript** and **kendo validator** to perform validations and catch the events on client's browser.
* Extensively used **jQuery** to make asynchronous **GET and POST** calls to the Controller.
* Business and Data access layers are developed using **C# .Net and Entity Framework**.
* Developed and used **WCF** Services and **Web API** to make calls to DB.
* Extensively used **OData** Client to work with the **REST** Services.
* Configured **Azure** cloud service for endpoint deployment.
* Deployed **WCF** services in Azure cloud.
* Involved in creating Use case and Sequence diagrams for the given modules using Visio.
* Effectively used **ASP.NET MVC** in the application as it makes Test Driven Development (**TDD**) easy.
* Implemented **MVC** architecture using Razor engine as **UI** integrated with the Database using **ADO**.Net Entity Framework, **SAP** services and **Web API**.
* Developed the Graphical User Interface (UI) using **ASP.NET** Web Forms, Telerik controls.
* Used **SQL** Server as **DB** and Implemented Stored Procedures and Functions to access the data.
* Implemented triggers while performing Update and Delete operations on the tables.
* Utilized **LINQ** extensively for data querying, storage and manipulations in Data Access Layer.
* Involved in the Unit test, Integration testing and running the test case to proper functioning and for code coverage.
* Performed unit testing for all the modules by mocking different layers of the application using **Mock** (Moq) objects.
* Prepared **UML** diagrams, Code Review and Unit test documentation.

**Environment**: C#, ASP.net, MVC 4/5, ADO.net, SQL Server 2016/2014, Entity Framework, HTML5, Bootstrap, CSS, jQuery, JavaScript, Angular 2, Dynamics CRM, Dynamic 365 Migration, Angular5/Typescript 2.x, WCF Service, Web API, Telerik Kendo UI controls, Visual Studio 2017/2015, AJAX, SSRS, N-unit, UML and Microsoft Enterprise Library, VSTS/GIT, SharePoint, Spark-Streaming, Spark-core.

**Client: Aviva Insurance, Cincinnati, OH Jan 2015 to Feb 2017  
Role: Full Stack Developer**

**Responsibilities:**

* Followed the standard for **Software Development Life** Cycle Processes (Selection of a Life Cycle Model, Project Initiation, Project Monitoring and Control, Requirements, Design, Implementation, Installation, Operation and Support.
* implemented application with using **of C#, ASP.NET MVC 4.0 with Razor, View Engine, jQuery, AJAX, HTML5, and CSS3**
* Participated in periodic technical reviews of various modules and developed schema to improve them.
* reviews, debugging and developing new **Angular** features using **Kanban** Agile methodology
* Created custom, self-contained, reusable, and testable **Angular** modules, components and services to implement key functionalities.
* Used **Angular** router guards to tell the router whether it should allow navigation to a requested route base on JSON Web Tokens (JWT).
* Connect **Web API** to **Angular** using Http Call and designed **GET, POST, PUT, DELETE for Web API.**
* Implemented **Angular** client-side validation through the forms module and wrote custom validators where necessary.
* Actively participated in **Scrum** **meetings** of the project implemented in **agile** **methodology**.
* Developed and supported the application using **ASP.NET** **MVC 4.0** with **Razor** syntax, **C#.NET**, **AJAX**, **jQuery**, **JSON**, **HTML**, **JavaScript**, **Bootstrap** and **CSS**.
* Utilized Spark data frame and **Spark**-Sql APi extensively for all the processing. Worked on POC's with Apache **Spark** using **Scala** to implement **Spark** in project.
* Ingested all 400+ customers' event and activity data (Historical data) to **S3** processed then using the **Spark** programing and stores in redshift for availability to portal.
* Worked on enhancing and maintaining the applications as per the business need needed.
* Independently worked on developing document handler using the **HTML5**.
* Used Microsoft **Entity Framework** Code First approach for the Data Access Layer for **ASP.NET**, **MVC4** application.
* Created Security Role, Browser Matrix to test Dynamics **CRM** cases.
* Verify plug-ins and Workflow functionalities to the business scenarios.
* Implemented an **MS Dynamics CRM** process using Marketing, Sales and Service entity modules using various components of Managed and Unmanaged solution, XRM custom components using plugins (C#), workflows, Dashboard/Reports, data management, Migration of 2011 to CRM 2013, from 2011 to CRM 2015, Administration of **MS Dynamics CRM** application.
* Installed and configured **MS Dynamics CRM 2015** system for development and testing, configured server instance, created organizations.
* Created Entity customization, Relationships defining Entity Data Model.
* Developed custom web pages to retrieve and update data in **MS CRM**.
* Created UI Workflows, Dialogs, Security Roles and Privileges.
* Involved in Data migration from **Microsoft Dynamics CRM 2013 to 2015**.
* Customized forms, Views and Work flows in **Microsoft Dynamics CRM**.
* Tested **Dynamics CRM** forms, form layout, business rules in web and outlook platform.
* Worked on applying daily builds, performing regression and report issues.
* Helped testing team in preparing test cases for **Dynamics CRM 2013** and Analysing the bug if it is **Dynamics CRM** 2013 upgrade related bug or code related bug and also Microsoft Bug.
* Analyzed the business requirements and advised feasible solutions to achieve business goals.
* Developed Plug-ins in **CRM** to facilitate complex business rules and validate data, create events and automate marketing services.
* Maintain **MS Dynamics CRM** solutions/organization in all Environments. Maintenance includes DR/backup, automate deployment of **MS Dynamics CRM** managed solutions, import/export managed/unmanaged solutions/organization, performance tuning.
* Authorization and authentication standards and protocols experience.
* Used IIS logs to identify the issues on the web server and monitored application errors through event viewer.
* Involved in enhancing the application for client’s requirement based on demand using the **MVC** pattern, **J Query, Bootstrap**, and **Web API** and SPA Application using **Angular JS**.
* Involved in creating web pages using **Angular JS**, **JavaScript**, **jQuery**, **HTML** 5.0 and **CSS**.
* Created the Editor and Display templates for **MVC** controls.
* Consumed **Azure** web services and managed deployment through **cloud** platform.
* Used Master Pages, shared layouts, **CSS** & Themes for the consistent look of the application.
* Created View models to encapsulate all models and classes used on the different views for a more organized, structured, and clean code.
* Improved user experience using **jQuery**. Used **jQuery** event handling mechanism to dynamically assign events on web controls.
* Involved in prioritizing the issues and identifying the root cause analysis and bug fixes.
* Designed, Developed and tested packages to extract, transform and load data using SQL Server Integration Services (**SSIS**).
* Developed advanced **ETL** import packages using **SSIS**, **T-SQL** to transform and import raw index data into database tables.
* Processed data from flat files excel files, .csv files into proprietary hierarchical data structure system through **SSIS** packages and custom procedures.
* Provided efficient error handling to the **SSIS packages**.
* Designed and developed **MS SQL** Server Reporting Services (**SSRS**) under **SQL Server 2014**.
* Experience with SQL Server Reporting Services (**SSRS**) to author, manage, and deliver both paper-based and interactive Web-based reports.
* Involved in migration of **SSRS** from **SQL 2008** to **SQL 2014**.
* Involved in writing **SQL Statements**, Views and Stored Procedures, Indexes to validate data and ensure system integrity and security Written **LINQ** functions for data access.
* Developed **test-driven development** (TDD) strategy guiding use of the **N-unit** testing framework.
* Used Team Foundation Server (**TFS**) for continuous integration and version control.
* Used **Fiddler** to **debug** web **request** and **responses** to solve user issues on the client side.
* Reviewed code to ensure that all the Processes and Standards are being ensured that correct implementation of requirements, coding standard, project architecture, efficient code writing techniques.

**Environment**: C#, ASP.NET, TDD, .Net Framework 4.5/4.0, SQL 2014, SQL Server Integration Services (SSIS), SQL server Reporting Services (SSRS), Visual Studio2015, MS Dynamics CRM SDK 2013, MS Dynamics CRM 2013, AZURE, Telerik Rad Controls, MVC, SOAP Web services, XML, OOP, WCF, REST, HTML 5, Web API, N-Tier Architecture, Agile, SCRUM

**Client: Tech Mahindra, Mumbai – India Nov-2012 to Jun 2014**

**Role: .Net Developer**

**Responsibilities:**

* Went through the total project development life cycle and have a clear understanding of various tiers as the project was a multi-tier application.
* Coordinated with various groups of the client to gather business and system requirements.
* Involved in application design based on **MVC 3,** Factory Design Pattern and OOPS.
* Used **JavaScript** for client-side validations, Used VSS for version control during development.
* Manage the back-end connection to Microsoft SQL as the data source using **ADO.Net** and write SQL queries, stored procedures and triggers to manage data.
* Created clustered and non-clustered index to aid faster retrieval of data.
* Utilized Entity Framework technology extensively for data retrieving, querying, storage and manipulation using **LINQ** Statements, views, User Defined Functions, Stored Procedures for creating/inserting/updating/deleting the data into the relational tables.
* Developed Web Service for retrieving Employee Data (based on XML, WSDL, and SOAP).
* Worked extensively on the UI, created views by utilizing **MVC3**, and created view models.
* Consumed Web Services using **WCF** for online transactions using C# and exposed them through **SOAP and HTTP**.
* Innovate and leverage machine learning, data mining and statistical techniques to create new, scalable solutions for business problems.
* Used SSIS to fetch the data for daily, weekly, hourly and monthly imports.
* Responsible for creating complex **SSRS Reports** based on client specifications.
* Used Visual Studio for compiling and debugging.
* Utilized current and upcoming industry trends and practices to create Sitecore CMS websites.
* Used NHibernate, WPF to communicate between DAL and other business components.
* Involved in creating, deploying and managing reports using SSRS.
* Created T-SQL and PL/SQL Store Procedures, Views and User Defined Functions for fetching relevant data to UI for different VP Reports and Divisional Reports.
* Have done data model principles, fit-gap analysis, prototyping, development, implementation, maintenance and support during the product design and development.

**Environment:** C#, ASP.Net 3.5, MVC 3.0, ADO.Net, WCF, LINQ, UML, SQL Server 2014, JavaScript, T-SQL, PL/SQL, SOA, Crystal Reports, Visual Source Safe, SSRS, SSIS, XAML, XSLT, VSS, N-unit testing, Visual Studio 2013.

**Client:** **HSBC, Hyderabad, India Jun 2011 - Nov 2012   
Role: Jr. SQL Developer**

**Responsibilities:**

* Creating stored **procedure/functions** which in-turn is used by front end applications.
* Managed the on-site backup and recovery process.
* Provided front-line database support supporting client facing applications.
* Worked as part of a project team to coordinate database development and determine project scope and limitations.
* Assisted with application upgrades, migrating objects from development to test and test to production representing changes as necessary in Change Management.
* Developed and implemented standards for data object naming and database design.
* Participated in Disaster Recovery planning and testing.
* Creating staging database.

**Environment:** Oracle 10g, SQL Plus, Windows XP, UNIX, Oracle SQL Developer, Oracle,