**Santhosh** **Kumar Rudra**

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**Professional Summary:**

* Proficient Around 7+ years of IT experience in System Analysis, Design, Development, and Implementation of various applications including **Web** (**Client/Server)** and **Windows** **Applications** using **Microsoft .NET** **Framework**, **C#. NET, ADO.NET,** **ASP.NET,VB.NET.**
* Experience developing web applications in **ASP.Net MVC 3, ASP.Net MVC 4** and Knowledge of **ASP.Net MVC 5** (Filter Override and Attribute Routing)
* Created code for **Angular JS** based application for a new functionality to communicate to a Web API.
* **Web Application** Development experience with technologies using **HTML 4.0/5, CSS2, CSS3, DOM, JAVASCRIPT, JQUERY, AJAX, JSON**, **Node JS,** **Angular JS,** **Bootstrap, XML**.
* Extensive experience with core **.NET** technologies like **ADO.NET, ASP.NET Web Forms and Server Controls, Web Services, WCF and LINQ**.
* Hands on experience in UI technologies with **Node JS,** **Angular JS** and **Bootstrap.**
* Experience in all phases of **Software Development** including Analysis, Designing, coding, testing, bug fixing and customizing) and Implementation of Client/Server applications using **C#** and **SQL Server 2005/2008/2012/2014** with N-tier development environment.
* Experience on latest .NET Framework (3/3.5/4/4.5/ CORE 1.0) with N-tier Architecture model and design patterns
* Experience in Architecture, Design, Development and Deployment of High-Performance, Scalable, and Distributed, **ASP.NET** and **SQL Server** **2012/2014/2016** (backend) applications and Test-Driven Development (TDD).
* Experience working on **Telerik WPF Rad Controls, Telerik AJAX Rad Controls** and **Telerik Reports.**
* Experience in creating **User Controls & Custom Controls in** **C# and ASP.NET**.
* Worked on Unit test by Test-Driven Development (**TDD**) to build the application with **Angular2** and **JavaScript**.
* Used **Node Package Manage (NPM)** and Bower as package manager for installing backend and frontend dependencies.
* Experienced in building cross browser compatibility applications using **Angular JS 1.x, Angular2, Angular 4.0,** Typescript, **Node.js, Require.js, Knockout.JS and Ext.js.**
* Good experience in using the latest **JavaScript framework AngularJS** and worked with all its various concepts like services, custom directives, promises, factory and providers.
* Extensive experience in developing single-page applications using JavaScript frameworks like **AngularJS** and **Bootstrap**.
* Expertise in Azure infrastructure management (Azure Web Roles, Worker Roles, SQL Azure, Azure Storage, Azure AD Licenses, Office365).
* Worked on **HTML5** **Apps**, **Google** **API’s** and **Native** **IPAD** and **IOS** apps.
* Good in-depth understanding and experience in **RDBMS** Database Design and Developed Constraints, Join, Views and Triggers in SQL Server 2012/2008R2/2008/2005. Including Writing Views, Stored Procedures, Functions, Cursors, and Triggers for search and accessing data from various databases.
* Data pipeline design using proprietary Data Studio leveraging multiple sources such as XLS, **Kusto**, etc. and multi-destination publishing.
* Experience in developing Graphical User Interfaces using HTML, CSS, JavaScript, Angular JS, AJAX, JQuery, Bootstrap, Silver Light, WPF and PRISM.
* Understanding the architecture of Sitecore Experience Database (xDB), working with MongoDB and customizing Sitecore 8 Reporting Database, custom pipeline for Aggregation job to support business analytics requirements.
* Specialized in developing Web 2.0 Apps using core **jQuery** along with **AJAX**/**JavaScript**.
* Built reusable and customizable components using **React**.**js**, React Router and **Redux**.
* Extensive front end and backend development experience working with **.Net Framework** **3.0/3.5/4.0/4.5, Visual Studio.NET** **2010/2013/2015**.
* Good understanding of developing Web Services using **SOAP** and **XML**.
* Expertise in developing and consuming web services using SOAP protocols, AJAX, XML, JSON, JSP and Restful API integrations.
* High-Level expertise in Object Oriented Design, Analysis, Object Oriented Application Development (**OOAD**) and Service Oriented Architecture (**SOA**)
* Involved in the creation of interface to manage user menu and Bulk update of Attributes using **Angular.js, Node.js,** and **jQuery.**
* Experience with many databases like **MS SQL (2000 - 2017, Azure), MySQL, SQLite, Oracle, MongoDB and Cosmos DB**.
* Familiar with cloud technologies like **AWS, Microsoft Azure**.
* Strong knowledge of cloud solutions from **Azure, like WebApps, MobileApps, SQL Databases, Cosmos DB, Virtual Machines, Active Directory** and many others.
* Experience in database design in **SQL** Server, **Oracle**, **MYSQL** using Stored Procedures and Triggers.
* Working knowledge of **SQL Server Reporting Services (SSRS)**. Extensive experience in **SQL Server,** Stored Procedures, Functions, Triggers, Queries, Indexes, DTS Packages, Transactions, Cursors etc.
* Experienced in developing enterprise applications using DOM (Document Object Model), XML, XAML, Schema, XSLT and XML Parsers with clear understanding of well-formed XML and Valid XML and LINQ to query XML.
* Experienced in using Wireframes/Comps to create cross-browser UI's with table-less CSS.
* Expertise in using Visual Source Safe (VSS), Team Foundation Server (TFS), SVN, GIT and Perforce for source code management.
* Strong analytical and programming skills coupled with knowledge of object-oriented analysis and design methodologies.
* Good knowledge on **WPF, sliver light** and **Microsoft dynamic CRM.**
* Experienced in working in **AGILE** based environment and participating in Scrum sessions.
* Extensively involved in fixing production, staging bugs, and production support.
* Experienced in Amazon Web Services **(AWS)** Concepts like **Elastic Load Balancers, EC2** and **S3**.
* Excellent communication/interpersonal skills and exceptional problem-solving capabilities.
* Customized the **Node.JS** server to pick the local Package. And run the application without changing the local paths and variables.

**Technical Competencies:**

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| --- | --- |
| **.Net technologies** | .Net Framework 4.5/4.0/3.5/3.0/2.0, ADO.NET, ASP.NET, VB.NET, MVC 5/4/3/2, Entity, LINQ, Web Services, Web Forms, WCF, WPF, IIS 8/7/6, Silverlight |
| **Programming Languages** | C, C++, C#, SQL, PL/SQL |
| **Web Technologies** | HTML5, Win forms, CSS3, XML,Bootstrap, AJAX,JSON, AngularJS, KnockoutJs, Node.js. |
| **Relational Databases** | MS Access, MS SQL 2012/2008 R2/2008, Oracle 11g/10g |
| **Software & Development Tools** | MS Visual Studio 2013/2012/2010/2008, SQL Server Management Studio, DevExpress, MS word, MS Excel and MS PowerPoint |
| **Testing & Reporting Tools** | SSRS, SSIS, Crystal Reports 11.0/10.0 |
| **Operating Systems** | Windows Server 2008/2003, Windows 7/Vista/ XP/98 |
| **Version Control** | Team Foundation Server (TFS), Sub Version, Visual Source Safe |
| **Scripting Languages** | ASP.NET 4.5/4.0/3.5/3.0/2.0, JavaScript, TypeScript, JQuery |

**Educational Information:**

Master’s in Computer Science at University of Southern Mississippi – Gulfport, MS

Bachelor’s in Computer Science at JNTU - INDIA

**Professional Work Experience**

**Centene Corporation, St. Louis, MO April 2018 – Present   
Full Stack Developer   
Roles & Responsibilities:**

* Involved in Implementing, debugging and maintaining **ASP.NET MVC** applications.
* Analyze and Resolve issues logged by the Integration Test team and by QA Team
* Developed application components as per design and user interface specs to work with stakeholders to get approval.
* Builds enhancements (including new product features as per given in specs) and resolve bugs. Builds and executes unit test and unit test plans.
* Extensively worked on the Angular UI Routing to handle navigation to access different pages in the application.
* Worked with the Architecture teams to implement upgrade of **Angular 1.5 to Angular 2.0**. Implemented new recommendations from Architecture team.
* Used $http, $location, $q, $log, $scope, $window, $cache Factory services to call REST API's logging and location operations.
* Worked in consuming **Swagger**, **REST** with **JSON** to test data. **Postman** and **Fiddler** for testing the Web Services.
* Created Web APIs using **ASP**.**NET** Web API allow new web/client projects to leverage reusable data
* Used **AJAX** to improve the performance of the web pages and to display the data on frequently visited pages.
* Develop user interfaces to which consume back end services for SaaS offerings
* Use Flux & Reflux to manage your data in React and Make **HTTP** requests in React & Flux.
* Developed user interface by using the React JS, Redux for SPA development.
* Add **SMS** send functionality and enhance the Notification services by adding APIs to send SMS messages and to manage a do-not-disturb list. (Two-way authentication factor)
* Implementation of responsive UI design.
* Developed core functionality with the ASP.NET MVC 4 Framework (C#.NET, NHibernate).
* Migrated the core business functionality of ID Management from Oracle Access Manager to OKTA  
  • Designed and developed the APIGEE proxies for the interaction with the OKTA services.
* Exploring and onboarding Key data from various sources (SQL, Cosmos, **Kusto**, DataMall) which helps BA and DS team for better insights.
* Used Model View Controller (**MVC**) design pattern to develop a complex web application, **VB.NET**,**ASP**.**NET** with C# as code behind Angular JS, JavaScript and Typescript is used for client-side validation.
* Extensively used React JS, Node JS, Angular JS, JavaScript, **Typescript** and jQuery for UI functionality. Wrote JavaScript Code for **React** **JS** and **Node** **JS** to interact with **server** and Network applications.
* Implemented Sitecore caching methods - HTML Cache, Item Cache, Data Cache and Prefetch Cache depending on the need for different pages.
* Worked on Visual Studio 2015/ .NET CORE 1.0 Framework to implement Business Logic.
* Involved in developing applications in **ASP.NET MVC**, Razor syntaxes and Razor View engines using **Visual** **Studio** **2015**.
* Created and consumed WCF services which are based on SOA architecture. Used Basic Http Binding for binding purposes. Worked on WCF security.
* Develop web application using best practices in Sitecore CMS 6.6 and .NET 4.0 technologies using SCRUM Methodology.
* WCF was used as serialization and deserialization, source to query retrieve and Data development was done by using C# and dot net. Along with MVVM used Unity as DI container and used PRISM 5, .net 4.5 for WPF.
* Designed and created tables, stored-procedures, defined data relationships and constraints in **SQL** **Server** **2016**.
* Complied with **MVC SPA, WEB API** Framework in the development of the Models, Views, and Controllers.
* Developed modules of the application in ASP.NET and involved in writing C#.NET classes.
* Created different business classes and interfaces using .NET Framework 4.5 with Object Oriented Programming (OOP) Methodology.
* Involved in generating resource XAML files using WPF forms, data binding, dependency properties, WPF data templates and control Templates.
* Experience working with PRISM and MVVM design patterns for Silverlight and WPF.
* Working on a web application involving Single Sign On, role-based privileges, CRUD operations, canvas and high charts drawing.
* Worked on Document Automation tool Contract Express and Integrated their API in to the Firm Existing Systems using Asp.NET Web API / OAuth and token-based authorizations
* Used SOA Architecture to develop code in Test Driven Environment using NUNIT.
* Analyze data in the **Kusto** database and generate reports using Power BI
* Office 365 Integration with MS Azure AD using **OAuth** SSO technology.
* Served REST API with ASP.NET Core with Entity Framework as an object-relational mapper, with a repository pattern to ease database migrations.
* Implemented convention-based **CRUD** Actions HTTP verbs GET, **POST**, PUT and DELETE using **ASP.NET WEB API.**
* Used ASP.NET MVC framework to support the use of Dependency Injection to inject objects into a class, instead of relying on the class to create the object itself
* Developed web form and window forms for clients in C# using (WPF) Windows Presentation Foundation, XAML and XML Involved in migration of SSRS from SQL 2000 to SQL 2005.
* Migrated the core business functionality of ID Management from Oracle Access Manager to **OKTA.**
* Used Sitecore publish/sync mechanism to publish to production.
* Implemented **OAUTH** for Security Certificates using Token based Authorization.
* Optimized Kusto queries to reduce the execution time from 5 minutes to 20 seconds per query and data  
  distribution in multiple nodes in a **Kusto** cluster
* Designed pluggable components with Sitecore **CMS**.
* Created a prototype web based executive dashboard which tracked employee performance using high charts.
* Involved on migrating SQL Server databases to **SQL** Azure Database using SQL Azure Migration Wizard. Deployed application to Azure Cloud.
* Developed an ASP.NET MVC application in Visual Studio using the test-driven development (**TDD**) approach
* Web Apps development including HTML5, CSS / CSS3, JavaScript, **AngularJS**, jQuery, WPF, Responsive UI techniques, Dashboard building
* Created screens, wireframes and storyboards for prototyping and translate to products.

**Environment:** Spring MVC, Web API, C#.NET, .NET CORE, JavaScript, jQuery, React JS, Bootstrap, HL7, Agile, JSON, VS code, Entity Framework 4.5, ASP.NET,VB.NET, Web API, .NET Framework 4.5, LINQ, MVC, Prism, NuGet, Postman, HTML5, CSS3, Typescript, J query, SQL Azure, OKTA, Visual Studio 2015/2017,Kusto, Highcharts,ASP.NET MVC 5, SQL Server 2016, IIS 8.5

**Anthem, Indianapolis, Indiana Jan 2017 – Mar 2018  
Sr. Net Developer   
Roles & Responsibilities:**

* Interacting with client and gathering requirement specifications for application development.
* Designed and Developed Web Pages using **ASP.Net,VB.NET, C#, N-Hibernate, Java script, CSS, JQuery, Angular Js, Bootstrap, AJAX, Web API.**
* Created code for Angular JS based application for a new functionality to communicate to a Web API.
* Designed and developed graphical User Interface (GUI) using **MVC** using **HTML** **5**.
* Designed, developed, and tested stored procedures for database access with **SQL Server.**
* Extensively used **LINQ** and **N-Hibernate** for database operation.
* Used **HTML Razor engine**, **HTML helper, CSS**, **XML** and **bootstrap** to make the UI controls look unique while designing web forms.
* Designed and developed the core functionality of the application with the ASP.NET MVC Framework razor (C#.NET, Entity Framework)
* Extensively used **Data binding** to bind various server controls to the data from database and **List controls** to display rows of data in a customized template format.
* Implemented **Unit of Work**, **Dependency Injection and** **Repository patterns** for faster and stable application development.
* Delivering client-side application using Angular 5 technologies in conjunction with **.NET Core**, Web API 2 architecture.
* Make performance reports using **SSRS**. Created reports using SQL Reporting Services (SSRS) for customized and ad-hoc Queries.
* Developed all the product pages, bundle offers pages on frontier.com using Sitecore.
* Used breakpoint as stopping point in the code and review the status of the variable for the **SSIS**.
* Create, manage SQL Server **AZURE** Databases.
* Implemented Restful web services using JAX-RS annotations, used JERSEY and implemented security using OAUTH.
* Developed Views using Master Pages, **MVVM**, Partial Views, MVP custom HTML helper with Razor view engine.
* Exposed Business functionality by Creating MVC.
* Worked on creating Microsoft **SQL** **Server** database Jobs and Triggers required for the optimal performance of the solution.
* Worked on Prism Frameworks for building windows app that run on Windows environment, WPF or Silverlight.
* Used (SOA) **Service-oriented architecture** for implementing an application.
* Used agile methodologies, test-driven development (**TDD**) and automated builds.
* Worked on all phases of SDLC to design and develop the system that meets client’s expectations.
* Developed technical specifications for the new enhancements.
* Developed Authorization Server using Access Tokens and Refresh Tokens Based on OAuth Protocol.
* Working with TDS (Hedgehog) & glass mapper to access Sitecore items in the code.
* The web GUI was built using Silverlight, XAML, HTML, DHTML, Web Forms classes and AJAX control for providing a consistent look and their individual states persisted across sessions
* Developed and hosting WCF Services on IIS 6.0 by following Service Oriented Architecture (SOA).
* Created reports using **SSRS** Reports.
* Implemented AngularJS Token-based Authentication using ASP.NET Web API 2, ASP.NET Identity and Enabled OAuth refresh tokens in AngularJS application.
* Involved in Re-designing the website setup with Sitecore 7.0 and .NET technologies using SCRUM Methodology.
* Designed UI specific to iOS using storyboard and Android using **XAML**.
* 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. Developed Web Service for retrieving the Event Participants Data (based on **XML/SOAP**)
* Application was built under Agile development methodology and it was implemented in MVVM design pattern along with the use of Prism.
* Used **TFS (Team Foundation Server)** for version controlling and, **Code Review** and for automatic builds and continuous integration.
* Active participation using **MVVM** to create **WPF** applications.
* Participated in code reviews and walkthroughs.
* Implemented **Unit testing** and integration testing of the application.
* Followed **Agile** Methodology with two-week sprints.

**Environment:** Visual Studio 2015, C#, ASP.NET,.NET CORE, VB.NET,AZURE, MVC 4.5, AngularJS, JavaScript, SharePoint, MSSQL Server 2014, WCF based web services, XAML, REST, SVN, Prism, SSRS, LINQ, MVP, AJAX, WEB API, BOOTSTRAP, HTML 5, CSS.

**State Farm Insurance, Boston, MA April 2015 – Dec 2016  
.Net Developer   
Roles & Responsibilities:**

* Performed architecture design and created UML diagrams.
* Designed and entire Service Layer.
* Construction of the **C#** code required for the proper operation of the requested new user interfaces
* Estimating the project using Functional point analysis
* Setup the **NHibernate** and **Fluent**.
* Create and consume **WCF** service as Data layer in **MVC.**
* Created user controls, validation controls and used custom controls like date picker, Custom Validator
* Database design using **MS SQL server 2012** and Developed DAL using **NHibernate** for Data extraction and Manipulation.
* Experienced working with AJAX, JQuery, AngularJS, TypeScript and Bootstrap.
* Involved in Back-End Database Design and Implementation using **SQL Server 2012**
* Experience to work with **Team Foundation Server (TFS**).
* Simultaneously involved in unit testing for all the development activities and design phase of the project for requirement analysis.
* Involved in the application designing using **MVVM** model for **WPF**.
* Developing a ribbon bar to make application more user friendly.
* Proficient in developing Service Layer using C# and Windows Communication Foundation (WCF).
* Created snapshots by using WPF (Windows Presentation Foundation) for the functional requirement.
* Development of (**MVVM**) Model, View, Controller framework using C#.
* Developed **WCF** services to save/get the data for portfolio screen using **C#**, **LINQ**
* Developed several re-usable utility and helper class for an easy and speedy development
* Designed/Developed the stylesheet using **CSS** to provide consistent look and feel for the entire web application.
* Active participation developing Single Page Applications using Microsoft Visual Studio .**Net.**
* Extensively used Object Oriented Programming fundamentals during all phase of application development.

**Environment:** ASP.NET (MVC), C#, AngularJS, Web API, HTML, TFS, Visual Studio (2013), T-SQL, SQL Server (2012), WCF, WPF, JavaScript, MVC, Web Services/WCF, XML, Hibernate.

**Inspire Innovative Solutions Pvt. Ltd. – Pune, India Jan 2013 to Dec 2014**

**Web Developer  
Roles & Responsibilities:**

* Experience in planning and delivering software platforms used across multiple products and organizational units.
* Deep expertise and hands on experience with Web Applications and programming languages such as HTML, CSS, JavaScript, **JQuery and API's.**
* Developed the User Interactive web pages in a professional manner with using web technologies like HTML and CSS as per company’s standards.
* Used all the advanced Photoshop features to create appealing visual web interfaces.
* Implemented various Search Engine Optimization techniques as metadata, building inbound link, and outbound link text, meaningful title while designing web pages.
* Involved in **JavaScript** coding for validations and passing attributes from one screen to another.
* Applied client-side validations **using JavaScript.**
* Used XAML as the markup language.
* Built **HTML** and **CSS** system for controlling text display issues cross-platform and cross browser.
* Implemented **AJAX** to enhance the capability of the website.
* Used Firebug and IE Developer Toolbar for debugging and browser compatibility.
* Used CSS Blueprint to create grids and adopt cross browser interactive features.
* Created **Graphic User Interface (GUI)** and applied to web site.
* Increased developer productivity by using efficient programming methodologies and local development.
* Managed application state using server and client-based State Management options.
* Handled all aspects of the web application including maintaining, testing, debugging, deploying and printing.

**Environment:** JavaScript, jQuery, HTML, HTML, CSS, Web Programming Skills, E-Commerce, Teamwork, Web User Interface Design (UI), Security Principles, Object-Oriented Design, Web Services (REST/SOAP), Multimedia Content Development, API's

**VFS Global. – Hyderabad, India June’2011 to Dec 2012**

**SQL Developer**

**Roles & Responsibilities:**

* Monitoring day-to-day operations, maintaining Table spaces and **CRD** files.
* Involved in full database **export/import**.
* Involved in table level, schema level Refresh.
* Involved in **Oracle** s/w installation and database creation in new servers.
* Adding data files into existing tablespace.
* Involved in Rebuild **index**.
* Creating users and assigning roles, account unlock.
* Working on database/schema refreshes in the development and test databases Using **Data** **Pump** utilities and using export and import.
* Perform Backups- user managed (Hot, Cold), Logical (export, import and **data** pump).
* Created several **SQL** queries and created several reports using data mart for user reports.
* Analyzing data and implementing the multi-value compression for optimal usage of space.
* Excellent experience in performance tuning and query optimization of the **SQLs**.
* Worked on **SSIS** Package, **DTS Import/Export** for transferring data from Database (Oracle and Text format data) to **SQL** Server.
* Involved in applying the patch in **oracle** **apps** environment.
* Involved in analyzing the patch and providing version details of files, Blocking clearing, health checks and performance.
* Involved in scripts execution and putting database in restrict mode.

**Environment:** SQL Server 2008/2008R2, DDL, DML, Tableau, TFS, Visual studio 2008/2010 Store Procedures, Views, UDFs, VSS, Power BI, C#.NET, Waterfall methodology.