**PAVAN KUMAR TODUPUNURI **

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**Professional Summary:**

* **Full stack .Net Developer** with over **7+**years of **IT** experience with exceptional skills in Analysis, Design and Development of highly scalable n-tier Web Applications, Distributed Applications using Microsoft Technologies.
* Good experience in all phases of Software Development Life Cycle (**SDLC**) right from requirement gathering, analysis, planning , coding to deployment and production phases in **Agile methodologies**.
* Service Upgrade and deployment with newer build, Servers maintenance and troubleshooting.
* Experience in Client-side web development utilizing **HTML5, CSS3, Bootstrap, Ajax, JavaScript, jQuery, Angular JS (1.6,2.0, 4.0), Type Script.**
* Designed interactive User Interfaces **HTML, CSS, JavaScript, JQuery, Angular JS and Bootstrap.**
* Experience in implementing web applications by using **C#, ASP.NET (4.5.1/4.0/3.5/3.0/2.0), ADO.NET, MVC (MVC5.0/4.0/3.0), LINQ, Web Services, WCF, Web API 2.0, XML, HTML5, CSS3,JavaScript, JQuery, AJAX,AngularJS, SQL 2005/2008/2010/2016.**
* Expertise using **MVC 5** design pattern, created **Models, Views, Controllers** , **View Models, Partial**

**Views, Action Filters, Validations, Data Annotation, Custom model Binder and Routing** using**Razor view with HTML helpers and AJAX helpers.**

* Experience in developing applications using **Entity Framework 6.0** using database first and code first approaches.
* Used **LINQ** to SQL to query database and made use of LINQ to objects and lambda expression for retrieving data efficiently.
* Experience **in AngularJS** Controller functions, service using Controller methods to set up initial state of the object.
* Having the knowledge to integrated the dynamic pages with **AngularJS** and **JQuery** to make the page dynamic.
* Developed **AngularJS**unit test cases using Jasmine and Karma.
* Implemented of a responsive UI which will scale itself depending on the device, platform and browser,   
  using **Angular 2.0**, HTML, CSS3, Bootstrap, **Angular**-cli.
* Extensive experience in developing and **consuming XML Web** Services using **WSDL** and **SOAP**.
* Experience in development of restful services using **Web API 2.0**.
* Extensively used **WCF** for building service-oriented applications and sending data as asynchronous messages from one service endpoint to another.
* Experience in creating **Tables**, **Stored Procedures, Prepared Statements, Triggers, Cursors, Functions, Views, Indexes and Joins using SQL Server 2008/2012/2014/2016.**
* Experience using tortoise**GIT**, **SVN, Team Foundation Server** (TFS).
* Experienced at using **VSS** and **TFS** for integration, code security, version and source control.
* Experience in continuous Integration using **JIRA and TeamCity, deploy.**
* Experience using ASP.Netwebforms.
* Worked on front end web application development using Master Pages, Themes, Skins, **HTML, XML**, **CSS, JavaScript** and **ASP.Net Custom Control.**
* Working knowledge on Microsoft **Azure**Cloud and its Services.
* Experience in Test Driven Development (**TDD**), used NUNIT for unit testing.
* Knowledge in error and event handling: precedence Constraints, Break Points, Check points and Logging in **SSIS.**
* Knowledge in using global variables, expressions and functions for the reports with immense experience in handling sub reports in **SSRS**.
* Development, debugging, and unit testing using Visual Studio.
* Self-Motivated and a good team player with ability to work under strict deadlines.

**Education:**

Bachelor of Computer Science and Information Technology in 2010.

**Technical Skills:**

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| **.NET Technologies:** | **C#.NET**, ASP.NET, ADO.NET, Web Services,.NET Framework 2.0/3.0/3.5/4.0, LINQ, **WPF**, **WCF**, **MVC** (3.0,4.0,5.0, Entity Framework6 |
| **Web Scripting**  **Technologies:** | Web Services, **Web Forms**, Win Forms, AJAX, AJAX toolkit, HTML,**HTML 5**, XML, XAML,**JavaScript**, Typescript, jQuery, **Angular JS/ Angular 2.0/Angular 4.0,Node JS**, CSS3, IIS 5.0/6.0/7, Bootstrap3. |
| **Database:** | **SQL Server** 2005/2008/2008 R2, 2012/2014, MySQL, Oracle Pervasive SQL Knowledge, Mongo DB (Exposure) |
| **Tools:** | MS Visio, MS Project Management, MS Office, Macromedia Dreamweaver, **SSIS**, **SSRS, Crystal reports, N-Unit**, **GIT, TFS.** |
| **Software / IDE:** | Visual Studio 6.0, Microsoft Visual Studio.NET2008/2010, 2013,2015/2017 |
| **OS/Methodologies:** | Windows 7/8 /10, UNIX, OS X |
| **Other Languages:** | C, C++, 8085 & 8086 assembly languages |

**Professional Experience:**

**Client: HTC Global Services, Michigan August, 2016 – Present**

**Role: Sr. Net Developer**

**Project: CCP (Central Credit Pricing)**

Description:

Working on two applications, pricing utility (PU) and PEMBS. PU is internal application where all the calculation is developed and is linked to PEMBS. PEMBS is used by third party customers like Wells Fargo, Capital One and almost all US banks. In PEMBS the customer has the ability to select the loan type and period. Depending on user inputs, interest fee will be calculated (PU) and will be displayed to the user.

Responsibilities:

* Used AGILE/SCRUM methodology to implement the application.
* Created **Single Page Application (SPA)** using AngularJS framework for binding data to specific views and synchronize data with server.
* Used Restful web services and developed dynamic web pages. Develop Business logic layer by implementing Object Oriented Programming languages (OOPS) concepts abstraction, encapsulation, inheritance, polymorphism in **C#.**
* Develop Business logic layer by implementing Object Oriented Programming languages (OOPS) concepts abstraction, encapsulation, inheritance, polymorphism in **C# 6.0.**
* Implemented a Restful API server with **NodeJS**and Express JS.
* Used **JSON** objects effectively for efficient client side codingand**Typescript/JavaScript template** design**.**
* Transformed conceptual designs into interactive user interface using **HTML5**, **CSS3** and **Bootstrap**.
* Implemented **Angular**Router to enable navigation from one view to the next as agent performs application tasks.
* Used **Angular 2.0** and **Typescript**to develop **single page application (SPA**).
* Experience in Client-side web development utilizing **HTML**, **CSS3, Bootstrap, Angular JS (2.0) Typescript.**
* Built applications for scale using **Type Script**.
* Created **Typescript** reusable components and services to consume REST API's using Component based architecture provided by angular 2.
* Implement new Front-End features with **Typescript**/ JavaScript and other RESTful APIs.
* Used RxJs heavily for subscribing to Observable streams containing data.
* Implemented of a responsive UI which will scale itself depending on the device, platform and browser,   
  using **Angular**2.0, HTML, CSS, Bootstrap, **Angular**-cli.
* Implemented **Angular**Router to enable navigation from one view to the next as agent performs application tasks.
* Used **Angular**-CLI to generate components, routes, services, pipes and to run tests.
* Optimizing the performance of queries with modifications in T-**SQL**queries, removed unnecessary columns, and eliminated redundant and inconsistent data.
* Developed and enhanced .NET **Web API**endpoints for consumption by **Angular2** components.
* Created **Angular2**components, implemented Interpolation, Input variables, Bootstrapping, NgFor, NgIf, Router Outlet, binding the click event, Component decorator, binding to the hidden property.
* Leveraged **Angular2**resources for all data access, encapsulating URLs and standardizing data access interfaces. Created custom directives for re-usable components (Multi-filed form elements, background file uploads etc.)
* Used **Angular2** framework where data from backend is stored in model using http and securityconfigurations for authentication and authorization for populated model on to UI.
* Experience in third party libraries like Angular Material Design.
* Knowledge in WebPack, Gulp and Npm Scripts.
* Responsible for writing Stored Procedures and User Defined Functions to retrieve the data from the central database and extensively worked on bug fixes in SQL procedures using **SQL Server 2014**.
* Developed new user interface components for different modules using**Kendo UI.**
* Used the **Kendo UI** controls for more robust requirements. Controls used such as grid, panel, date picker, combo box, validation, dropdown and Autocomplete etc. throughout the application.
* Created and updated tables using the Data Definition Language and Data Manipulation Language with respect to the business functionality.
* Implemented data access using **Entity Framework**to store and retrieve new user information for further use.
* Worked extensively on connecting applications to database using **Entity Framework**, **LINQ** and **Lambda** Expressions.
* Experienced first-hand the best/worst practices for integrating microservices into an existing system architecture.
* Modified Web Services to interact with the other applications and exposed them using **SOAP**and **HTTP**.
* Managed Clusters with various Servers in **Azure**Cloud Resource Groups.
* Capturing data from Microsoft Azure sites.
* Managed **JIRA**Add-ons and Worked on Setup JIRA for HelpDesk/Tickets.
* Working knowledge on **Azure**Cloud IaaS and PaaS Services.
* Involved in Unit testing (**N unit**), Build and integration testing for the interfaces.
* Automating using **C#.net** and **N-unit**.
* Maintained the Version, Labeled Versions and Backups of the source using GitHub.

**Environment**: .Net 4.5, MS Visual Studio 2015, C#,NPM, HTML5, CSS3, **Angular 2**, Java Script, Typescript, Bootstrap 3.0, Entity Framework 6.0,Kendo UI, Azure, SQL Server 2014, GIT.

**Client: Liberty Mutual, CT September, 2015 – June, 2016**

**Role: Full stack .NET Developer**

**Project: Project Entry**

**Description:**

The functionalities include creating a new Auto Quote, Binding the Auto Quote to a Policy, Generating the Quote and Policy PDF Documents, Emailing the Documents to the consumer, searching for an existing Policy and existing quote, open a new Claim, Search for existing Claim, Viewing the required documents to endorse a Policy, Generate the required documents for a new Claim and Policy, Able to make a payment online. Business to Consumer used by the normal users has the functionality limited to Generate a new Auto Quote based on the consumer information.

**Responsibilities:**

* Used AGILE/SCRUM methodology to implement the application.
* Managed the security configuration of all web/ Windows servers, using Group Policies, Symantec Endpoint Manager, and Windows System Update Services.
* Created **Single Page Application (SPA)** using AngularJS framework for binding data to specific views and synchronize data with server.
* Implemented **AngularJS** Controller functions, service using Controller methods to set up initial state of the object.
* Extensive use of **AngularJ**S for scripting, **AJAX** calls and **JSON** and **XML** for passing objects from Controller to View and vice versa.
* Architected and designed the new **Web UI** and **Web API** Layer.
* Took advantage of MVC pattern of **Angular JS** framework to produce higher maintainability of the code.
* Develop Business logic layer by implementing Object Oriented Programming languages (OOPS) concepts abstraction, encapsulation, inheritance, polymorphism in **C#.**
* Worked in development of the User Interface part of the Web Applications and Windows Applications using **HTML5**, **CSS**, **JavaScript**, **Angular**, **AJAX**, and Silver light.
* Extensive use of AngularJS for scripting, AJAX calls and JSON and XML for passing objects from Controller to View and vice versa.
* Implemented a Restful API server with **Node JS**and Express JS.
* Implemented **AngularJS** Controller functions, service using Controller methods to set up initial state of the object.
* Used **AngularJS**plug in like ng-Table, ng-Grid and ng-Idle to enrich website appearance and performance.
* Used Bootstrap UI in **AngularJS** for better appearance of web pages.
* Built custom directives in **AngularJS** to re-use components such as background file uploads and multi field form elements.
* Parse the data form **REST API**.
* Used **JSON** objects effectively for efficient client side codingand **JavaScript template** design**.**
* Transformed conceptual designs into interactive user interface using **HTML5**, **CSS3** and **Bootstrap**.
* Implemented **Angular**Router to enable navigation from one view to the next as agent performs application tasks.
* Used Restful web services and developed dynamic web pages.
* Developed **AngularJS unit test** cases using Jasmine and Karma.
* Responsible for writing Stored Procedures and User Defined Functions to retrieve the data from the central database and extensively worked on bug fixes in SQL procedures using **SQL Server 2012**.
* Implemented data access using **Entity Framework**to store and retrieve new user information for further use.
* Worked extensively on connecting applications to database using **Entity Framework**, **LINQ** and **Lambda** Expressions.
* Experience with creating and managing roles for security in **SSIS**, **SSAS**, and **SSRS** Reports.
* Modified Web Services to interact with the other applications and exposed them using **SOAP**and **HTTP**.
* Managed Clusters with various Servers in **Azure**Cloud Resource Groups.
* Capturing data from Microsoft **Azure**sites.
* Working knowledge on **Azure**Cloud IaaS and PaaS Services.
* Automating using **C#.net** and **N-unit**.
* Worked on **JIRA**for Bug Tracking.
* Used TFS 2013 for Version Control and Dimensions for deployment of code to SIT and UAT test servers.

**Environment**: .Net 4.5.1, MS Visual Studio 2013, Node JS, C# , AJAX, Azure, HTML5, CSS3, AngularJS, jQuery, Java Script , ES6(Type Script), Bootstrap 3.0, Entity Framework 6.0 , SQL Server 2012, GIT.

**Client : Lincoln Financial, Omaha, NE January 2015–August 2015**

**Role : .Net Developer**

**Project: Insurance Systems**

**Project Description:** Project is aimed at developing an advanced Insurance system which is capable of making stored information easily available to customers, agents and to the company. This is an online insurance portal where consumers could easily find multiple insurance products and quotes for life insurance, health insurance, and Group insurance with good graphical representation of insurance reports.

**Responsibilities**:

* Developed the web pages using ASP.NET **MVC4**, C#, HTML5, JavaScript, XML and CSS3.
* Developed ASP.NET user controls adding component reusability.
* Implemented Web Parts, **AJAX**, web services and globalization in the project. Database design and development of database objects in SQL Server 2008 using Microsoft SQL Server Management Studio Express.
* Created stored procedures to load the data coming from external systems to SQL Server 2008.
* Front End/ UI developer with expertise in **AJAX**, **JavaScript**, **JQuery**, **HTML5, CSS3**.
* Define new UI elements / frameworks for use by development teams.
* Configure various business rules using content management server.
* Delegating tasks and prioritize work load amongst development teams and coordinating the entire project group under various project activities.
* Developed module which deals with validating user, changing passwords and searching of information depending upon priority of user in site.Debug and test new applications created using MVC 4, **Silverlight**and Entity Framework.
* Designed the new **Web UI** and **Web API** Layer.
* Using **IIS 7**, create web sites, services sites, deploy new applications created using **Silverlight**and **Entity Framework**, **JavaScript** maintain web sites, services sites.
* Developed **Data Access Layer** using **LINQ** to **SQL, T-SQL, and ADO.NET**.
* Designed templates to develop quality code.
* Transformed **XML document with XSLT in ASP.NET** application.
* Designed the architecture of Content Management System and involved in making a rich interface application.
* Created Views and Partial Views - UI and middle tier for various modules using MVC(Razor View Engine), AJAX, jQuery, HTML, CSS.
* Developed ASP.NET user controls adding component reusability.
* Import data from SQL Server, MS-Access.
* Experience in using **Team Foundation Server (TFS)**, **Microsoft Visual Source Safe (VSS)** and **Subversion (SVN) for Source management**.
* Generated Business Intelligence (**BI**) reports using MS SQL Server 2008 reporting services, providing reports in multiple formats.
* Designing and deploying dynamically scalable, highly available, fault tolerant, and reliable applications on Azure.
* Migrating complex, multi-tier applications on Azure.
* Lift and shift of an existing on-premises application to Azure.
* Employed HTTP for Client/ Server communication.
* Experience with supporting SQL Server within an Azure PaaS environment
* Involved in writing test cases for the application.

**Environment**: .Net 3.5, ASP.Net MVC 4, C#, ADO.Net, LINQ to SQL, AJAX, HTML, MS Visual Studio 2012, WCF, CSS, and SQL Server 2008, Azure.

**Client: CVS Caremark Corporation, Illinois November, 2013- December 2014**

**Role: .net Developer**

**Project: CVS Care**

**Description:**

The project will develop, implement and diffuse the standardized and integrated best practice model for caring for ICU patients through the use of a customized dashboard which operates within synthesis to display subsets of the entire data set based on provider information needs and the task being performed.

**Responsibilities:**

* Involved in creating Classes, Interfaces and developed Web services using **C#.**
* This application developed using .Net framework using C#, SQL server database, JavaScript, **JQuery** and **AJAX**.
* Consumed Remote Web services using WCF Service Model, Developed Reports Using SSRS on a daily basis.
* Used User Control, Ajax Toolkit, Custom controls to develop the application, Developed Business logic layer using ASP.Net with C# under Visual Studio.
* Developed Web Forms for this application using **ASP.NET MVC 4.0** and C# with Visual Studio 2013 and Microsoft SQL Server 2012.
* Applied Master Pages, and **CSS3**, Navigation Controls, **HTML5**, for a consistent look and feel for the page designing.
* Developed module which deals with validating user, changing passwords and searching of information depending upon priority of user in site. Debug and test new applications created using **MVC4.0**, **Silverlight**and **Entity Framework**.
* Created windows services to automatically business processes and email the log reports to the administrator.
* Preparing project deliverables like Build notes, Integration test case document, Unit test case documents.
* Experience with creating and managing roles for security in **SSIS**, **SSAS**, and **SSRS** Reports.
* Participated in **Test Driven Development** (**TDD**) in developing a WPF application in Agile (**SCRUM**) environment.
* Wrote Stored Procedures, Triggers and **SQL** Queries and LINQ in **SQL Server 20012**.
* Handled **database**server tuning, application tuning, maintaining documentation, capacity planning, and database security.
* Used Grid View, List View, and Data Pager server controls in conjunction with ADO.NET to display the required information for the end user.
* Developed Data tier of the application using DB first approach of ADO.NET **Entity framework** and extensively used LINQ to Entities, **Lambda expressions** to interact with the Data Entities.
* Developed XML **Web Services** using WCF, C#.NET with multiple bindings and address and hosted them on IIS and tested them by generating the proxy class files based on the web services and consumed in web application.
* Performed **unit testing** and functional testing.
* Followed Agile Methodology, Publishing the web site on **IIS** server, Execute system development and maintenance activities.
* Involved in bug fixing occurred during testing process, Coded for New Modifications and new modules of the application.
* Designed and developed UI, User Controls, and Client-Server Side Validation Controls using ASP.NET and JavaScript.
* Using IIS 7, create web sites, services sites, deploy new applications created using **Silverlight**and Entity Framework, JavaScript maintain web sites, services sites.
* Used Data Grid, Data List and Data Repeater to display data from the Database.
* Developed customized user controls and composite controls for various application specific functions, Used Web Controls, List Controls and Validation Controls.
* Responsible for creating the database design, coding and **Unit Testing**.
* Created Stored Procedures and User Defined Functions, involved in generating, designing and developing reports using Crystal Reports.
* Experience with creating and managing roles for security in SSIS, SSAS, and SSRS Reports

**Environment**: Microsoft .NET Framework 4.0 ,Visual Studio 2013, MVC 4.0, C# , Entity Framework , Ajax and JavaScript, jQuery , WCF, HTML, CSS, SQL Server 2012, SVN.

**Liquid Hub, Hyderabad, India March, 2012-September, 2013**

**Role: .Net Developer**

**Project: Smart View**

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**Description**: The intended user of this solution is a CEO, industry analyst, asset manager, etc. This project shows pictorial representation of the company performance across the industry. It also compares the company performance with that of its competitors. It has options to publish the graphical representations to a booklet and as well generate web reports.

**Responsibilities**:

* Developed **ASP.NET** website using **C#**, **HTML**, **JavaScript**, and **ADO.Net**.
* Involved in developing the Business Layer and Web User Custom Controls in C#.NET.
* Created Web and HTML Controls to develop web pages and user controls.
* Designed all necessary database connection classes.
* Extensively worked on ADO.NET to talk to the SQL database.
* Designed and develop all necessary Web Forms with .NET.
* Developed user documentation and program maintenance documentation.
* Developed screens for user registration and authentication. Used ASP.NET validation controls for validating user data input.
* Designed and developed screens for User Interface & Interaction, also developed various Search Screens for different strategies.
* Developed triggers & stored procedures for automatic insertion & retrieval of Data.
* Used ADO.Net to access the data from back-end SQL Server database.
* Performed Unit and Tiered testing of the application.

**Environment:** NET 3.0, Visual Studio 2010, SQL Server 2008, C#, JavaScript, ADO.NET,

T-SQL, XML, HTML, CSS.

**Client: FortechSoft India Pvt Ltd, Hyderabad June, 2010 – February, 2012**

**Role: .Net Developer**

**Project: Project Management System**

**Description:**

The Project Management System is an automation of enterprise resource planning for a ‘Fire Safety & Fire Extinguishing Equipment’s’ provider. The automation basically helps the client in planning, tracking and managing materials used in their service. The materials are processed at different levels of management and installation. The major modules of this project are Project Management, Materials Management, Human Resource Management, Stock Maintenance and Accounts & Transaction Management.

**Responsibilities:**

* Involve in requirement study and project analysis.
* Used UML in the design process Use Cases, Process Diagrams, Sequence Diagrams, data Flow Diagrams.
* Developed both Web and Window applications for intranet and internet customers.
* Designed and developed Graphical User Interfaces in **ASP.NET**2.0 using .NET controls**, C#** and writing of common controls.
* Code reusability was enhanced with the creation of various DLL in the window applications.
* Created Stored Procedures using **SQL Server 2008**to back fill the Data.
* Worked on Data Access layer using **ADO.NET** to communicate with the SQL Server database. Wrote Stored Procedures in T-SQL for querying the database.
* Experience with creating and managing roles for security in **SSIS**, **SSAS**, and **SSRS** Reports.
* Involved in coding and unit testing for the application development.
* Worked as **IIS** web Server administration to manage web sites, redirect request and restart **IIS**.
* Prepared knowledge transfer document for the team to understand application process.

**Environment:**

**Environment**: .NET 3.5, Visual Studio 2008, SQL Server 2005, AJAX, ASP.NET, C#, ADO.NET, XML, Web Forms, CSS, HTML, TFS.