##### Kamala Polavarapu

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##### Sr. DotNet Developer

**Professional Summary:**

* Over 7 years of Experience in developing windows, web applications using **C#, 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 (2015,2013, 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 **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.**
* 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.
* Mocked up in Xamarin for cross-platform implementation, wrapped in applications.
* Ability to implement directives, source controllers and other services using **Web services, WCF and Web API**.
* Very good knowledge in connecting dotnet 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 Nunit 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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| --- | --- |
| **.Net Technologies** | DotNet Framework 4.6/4.5/4.0/3.5, ASP.NET MVC 5/4/3, C#.Net, VB.Net, ASP.Net, ADO.Net, Web API 1/2, Web Services, Entity Framework 6.0/5.0(ORM). |
| **Web Development** | ASP.Net MVC, J-Query, JavaScript, Angular JS,2.0, Node.JS, React.JS, JSON, AJAX, CSS3, HTML5. |
| **Development Tools** | Microsoft Visual Studio.NET 2017/2015/2012/2010, Xamarin. |
| **Servers** | IIS 7.0/6.0, Windows Server 2014/2012 R2/2008. |
| **RDBMS** | SQL Server 2016/2014/2012/2008, Oracle 11/10g, No-SQL, MongoDB. |
| **Reporting Tools** | SSRS, SSIS, Crystal Reports, Telerik Reporting Tool. |
| **Services** | WCF, Web Services, WPF, Restful services, Web API. |
| **Version Control** | TFS, GIT, VSTS, SVN. |

**Professional Experience:**

**NLRB, Washington, DC Sep 2018 – Till Date**

**DotNet Developer**

**Responsibilities:**

* Designed and developed application on ASP.Net MVC Framework by using Visual Studio 2017.
* Created stored procedures, functions, views and triggers to retrieve the data from the database
* Modified existing web application.
* Involved in Data Migration from SQL server to COSMOS DB.
* Create web applications with the use of Web Services using ASP.Net Web API.
* Implemented Data Access Layer (DAL) using ADO.NET to communicate with the SQL Server 2008 Database.
* Used Newton Soft JSON framework to serialize data to JSON objects.
* Used jQuery for Client-Side Validations, calling the Controller Actions, and making calls to the WCF Services.
* Used ASP.NET Validation Controls and was involved in Client-side validations using JavaScript
* Used ADO.NET, Entity Framework extensively for retrieving, querying and manipulating data in the SQL SEREVR 2012.
* Used Cascading Style Sheets (CSS) classes to maintain the uniformity throughout the application
* Worked on Agile Methodology (Scrum Framework) to meet timelines with quality deliverables.
* Used Team Foundation Server (TFS) for Version Control and generated reports using the SQL Server Reporting services (SSRS)
* Directly accountable for various aspects of product design including assessment, coding, testing and optimization.
* Used MOQ Framework for Unit Testing the code and involved in documentation work.

**Environment:** C#, ASP.net, MVC 4/5, ADO.net, SQL Server 2016/2014, Entity Framework, HTML5, Bootstrap, CSS, jQuery, JavaScript, Angular 2, WCF Service, Cosmos DB, Web API, Newton Soft, MOQ, Visual Studio 2017/2015, AJAX, SSRS, UML and Microsoft Enterprise Library, TFS, SharePoint.

**TECO Energy, Tampa, FL Sept 2017 – Aug 2018**

**DotNet 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, Webservices, WPF, JavaScript, jQuery, HTML, CSS and involved in code reviews as well as bug fixing and documentation.
* Designed and created models, components, modules, and services to apply client-side logic and dependency injection using Angular 2.
* Built ASP.net Web API to return JSON data for Angular.JS application to request.
* Implemented form Validations using Data Annotations in the Model.
* 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.
* Built a Xamarin application for an internal ticketing application.
* Created a WinForms application to clear the unrelated data.
* Developed and used WCF Services and Web API to make calls to DB.
* Configured Azure cloud service for endpoint deployment.
* Deployed WCF services in Azure cloud.
* Expert in data structure design, Data Modeling in MongoDB.
* Implemented multithreading to improve the performance efficiency and decrease the response times.
* Wrote services to store and retrieve user data from the MongoDB for the application on devices.
* 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, WCF Service, MongoDB, Web API, Telerik Kendo UI controls, Visual Studio 2017/2015, AJAX, SSRS, Nunit, Xamarin, UML and Microsoft Enterprise Library, VSTS/GIT, SharePoint.

**Prudential, Iselin, NJ** **Dec 2016 – Aug 2017**

**.NET Developer**

**Responsibilities:**

* Responsible for gathering the new requirements, change requests and analyze the requirements given by the clients.
* The application is an E-Commerce application to show the list and grid views, calls to DB and Web API is used as the web service.
* Design and Developed web-based workflow application using Visual studio, ASP.NET MVC, C#.NET, SQL Server.
* Application is designed using MVC (Model View Controller), Facade Pattern Concept.
* Implemented form validations across the site using Angular JS.
* Built dynamically generated dropdown lists using Ajax, jQueryUI.
* Implement custom tracking via Google Tag Manager using JavaScript and jQuery selectors.
* Extensively jQuery plug-ins and develop and extended plug-ins as required.
* Developed business and data access layer using C# and Entity framework.
* Involved in creating Use case and Sequence diagrams for the given modules using Visio.
* Implemented N-Tier Architecture and integrated the UI with Data base for data retrieval and manipulation using ADO.NET data objects and ADO.NET Entity Framework.
* Implemented Stored Procedures call in the business layer (ADO.net) for use of Web layer.
* Used WinForms to develop a Deployment tool to transfer complied files to the Testing servers.
* Implemented Data Access Layer using ADO.NET to connect and retrieve or manipulate database information. Utilized LINQ extensively for data querying, storage and manipulations in Data Access Layer.
* Working experience using web services and API's built on SOAP, REST and using   
  XML, JSON and design/modeling.
* Experienced in deploying, managing and developing MongoDB and Cassandra clusters.
* Used Bootstrap and AngularJS, React.js and Node.js in effective web design.
* Used Bootstrap, React.js and Node.js in effective web design.
* I helped the team migrating the workload from private cloud to the Azure Public Cloud.
* Used Crystal Reports for report generation.
* Implemented SQL Server Reporting Services (SSRS) and Crystal reports to deliver variety of interactive reports.
* Implemented Test Cases using N-Unit as a part of the Test-Driven Development (TDD).
* Preparation of Code review and unit test documentation loading them on SharePoint for team's access.

**Environment:** C#, ASP.net, MVC 4/5, ADO.net, SQL Server 2016/2014, HTML5, CSS, jQuery, JavaScript, Web API, Angular JS, ReactJS, NodeJS, Visual Studio 2017/2015, AJAX, Classic ASP, SSRS, MTM, UML and Microsoft Enterprise Library, NO-SQL, TFS, SharePoint.

**3M, St. Paul, MN** **Sept 2015 - Oct 2016**

**DotNet Developer**

**Responsibilities:**

* Developed a windows application for validating the uploaded XML files against the XSDs for the other teams to utilize.
* Implemented import functionality for web application for validating XMLs.
* Involved In implementing a new feature called Password Protected Quizzes (PPQ) where an alert Email or message will go to the subscribed users. The feature is developed using C# and JavaScript.
* I have developed the JavaScript pages, with client-side validations.
* The application UI is based on JavaScript and jQuery.
* The content and course data will be present in WCF services.
* Get and post actions are used to retrieve and update data from WCF in the form of XML and JSON.
* Developed Feature for reading of the Imported XMLs files also, reading and storing different types of XML’s into the Database.
* Fixing any Production issues by debugging Client-Side code written in jQuery/JavaScript and Server-Side Code developed using MVC and C#.
* Created a WinForms application to Archive older data in the database based on user preferences.
* Helped implement n-tier architecture using Entity Framework as Data access layer and View Model for Business access layer with LINQ to select specific data.
* Perform CI/CD in AWS using Code Commit, Code Build, Code Deploy and Code Pipeline.
* Responsible for Continuous Integration and Continuous Delivery (CI/CD) process implementation using Jenkins along with Python and Shell scripts to automate routine jobs.
* Wrote the Unit Test cases on server side using n unit for new changes and issues fixed.
* Developed new feature for calculating the score and displaying results after the student has taken the test by extracting the question XML’s from DB.
* All issues were tracked using Jira and **GitHub** was used for source control.
* Implement agile **scrum** methodology in application development.

**Environment:** C#, MVC 3, HTML, CSS, JavaScript, jQuery, ASP.NET, Entity framework 6, LINQ, WCF, SQL Server, GitHub, CI/CD, XML, JSON, XSD.

**BLS Software Private Ltd, India Oct 2013 – July 2015**

**Software Developer**

**Responsibilities:**

* Designed and implemented a 3-Tier application architecture including the Presentation, Business and Data Access Layer.
* Involved in designing the layout of User interface using Visio and Class diagrams using UML.
* The Presentation Layer is implemented in ASP.Net with HTML, Cascading Style Sheets (CSS) and Web Controls. The Web Forms are developed utilizing the C#.
* Extensively used Ajax Controls to reduce the client server turnaround time, hence enhancing the performance of the application also used JavaScript for client-side validations.
* Developed the independent WCF (Windows Communication Foundation) services and defined Service Contracts for specific functionality in project search module.
* Written LINQ enabled queries to access the data from SQL Server database.
* Used bindings to control the construction of the WCF channel stack at runtime.
* Used Grid View, Data List and Repeater controls with Paging and Sorting for displaying various data on to the page
* Developed many T-SQL queries to fetch data as per the business requirements with proper tuning techniques.
* Modified database via Entity Framework code first migrations
* Used XML intensively to bind the data to the web controls, data manipulation and to store data and sent as parameter to the stored procedures Implemented Serialization and Deserialization of objects.
* Design responsive and intuitive user interface for the web using XHTML/CSS and both custom AJAX scripts as well as MS AJAX for ASP.NET library
* Used AJAX enabled grid to display the data to display the data fetched and used AJAX Toolkit to develop the controls also developed light-weight rich UI via extensive usage of jQuery
* Intensive use of CSS and XHTML to design look and feel of the web pages.
* Used Microsoft patterns and practices recommended PRISM framework with features such as regions, modules, event aggregators, delegate commands in implementing (MVVM) Model-View-View-Model design pattern to develop a WPF application.
* Developed user and custom controls using C#, Visual Studio and Expression Blend for WPF application.
* Worked extensively on web forms and data binding controls like Grid View, Data List and drop-down boxes and Mapping page fields to the database fields.
* Studio 2008 is utilized as the IDE tool for the management of the project and controls as they are developed and deployed. Version control for the source code and scripts are managed using TFS.

**Environment:** Microsoft Visual Studio.NET 2008, Entity Framework, MVVM, AJAX, HTML, CSS, LINQ ADO.NET, LINQ, SQL Server 2008, ASP.NET, C#, WCF, WPF, JavaScript, jQuery, Web APIs/services, TFS.

**Info Tech, INDIA Aug 2012 - July 2013**

**Software Developer**

**Responsibilities:**

* Responsible for developing all the front-end screens and the back-end database queries for retrieving data and .NET Framework.
* Involved in coding and development of complex User Controls.
* Created Web services, which are used to communicate to the other departments.
* Developed the system front end using C#, ASP.NET and HTML and backend using SQL server 2003 as the backend database, Win forms.
* Designed the migration pattern from existing ASP/VB application to ASP.NET/C# Win Forms and .Net

Framework 1.0 to NET Framework 1.1.

* Used ADO.NET for retrieving data from backend database SQL Server 2003.
* Involved in Multithreading programming in C++, C#
* Implemented and deployed XML Web Services (SOAP) using C#.NET.
* Created dynamic GUIs with .Net web controls and data bound web forms.
* Developed Server-side programming using C#.NET, ASP.NET on .NET architecture.
* Implemented AJAX to provide pleasant client-side experience.
* Designed XML Schemas and developed XSL and XML gateway.
* Extensively used XSLT language to transform from XML document into HTML web page.
* Developed testing report, Stored Procedures using SQL Server 2003 and SQL scripts, and DTS packages and Data Modeling.
* Used Microsoft Visual Source Safe (VSS) for all the source code maintenance needs.

**Environment:** Bootstrap, ASP.NET 1.0/1.1, C#, VS.NET 2003, Sequel Server 2003/2005 JavaScript, HTML, ADO.NET, SQL Server 2008, XML, XSD, XSL, XSLT, Windows XP, IIS, VB.NET, VB6.0, Oracle, NET Framework.

**Education:**

**Bachelor of Technology** in Computer Science and Engineering, JNTUK, India.

**Master of Science** in Computer Science, University of Central Missouri, Missouri.