**Shubham Kayastha**

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***Summary of Experience:***

* Software Engineer with **3+ years** of extensive experience in Analysis, Design, Development, Testing and Implementation of **client/server**, **web based** and **n-tier** business/commercial applications.
* Solid understanding of **Object-Oriented Analysis and Design (OOD)**, **UML** and **RDBMS** concepts.
* Hands on experience in design using **Object Oriented Programming** **Principles** like Encapsulation, Inheritance, Polymorphism, reusability and Design patterns like Abstract factory, Singleton, Object pool a standard solution to common problems in software design.
* Experienced in all phases **of software development life cycle** (SDLC) – Feasibility study, Project Analysis, Requirements, Design, Development, Testing, Documentation, UAT, Deployment and support
* Experienced in working with Iterative **Agile Programming Methodologies**, **Waterfall methodologies**, **Scrum** and **Test-driven development (TDD)**.
* Experienced with automation tools using Selenium for testing purposes in C# .NET
* Demonstrated proficiency in development using Microsoft.NET technologies like **WCF, LINQ, ASP.Net 4.0/3.5, ASP.NET MVC 5.0/4.0, C# (4.0/3.5), VB.NET** and **AJAX** Extensions**, jQUERY** **with MS SQL Server (SQL 2008 R2 / 2005), POSTGRESQL, PgAdmin and Oracle 10g/9i** as database.
* Experience in web UI technologies using **HTML, VBScript, jQuery, JavaScript, Angular Js** as well as **XML, XSL and XSLT**.
* Worked on CI-CD automation tools like **Jenkins, Ansible and Chef.**
* Worked extensively with ADO.NET objects such as Data Adapter, Dataset, and Data Reader to interact with databases like SQL Server 2008/2005/2000 & Oracle 10g/9i.
* Experience in database related work primarily **creating complex stored procedure**, Views, Triggers, Functions, using PL/SQL, T-SQL.
* Experienced in **Configuration Management, setting up company Version policies**, build schedule using Team Foundation Server 2010/2008 and Visual Source Safe (VSS).
* Developed Outlook Add-In using **WPF, C# and SQL Compact Edition** along with Custom installation and integration of **MSCRM** Outlook client.
* Experience in using **AAD (Azure Active Directory)** for multi-factor authentication, privileged account management, role-based access control, application usage monitoring, and alerting.
* Experience in building mobile based apps using **Xamarin**studio and Cross platform in Visual Studio for iOS, Android.
* Developed a Single page application (**SPA**), mobile-first, cross-device/cross-browser web application for real-time location sharing utilizing **AngularJS 2.0, JavaScript API**.
* Experience in using **AngularJS 2.0** to test views and to do end to end unit testing by using **CI-CD**.
* Experience in developing applications using **Web Services, WCF, REST, WPF, WWF, SOAP**, **NHibernate** and **GIT.**
* Experience in developing applications using **AngularJS-Bootstrap** like Grids, Toolbars, Panels, Combo-Box and Button etc.
* Experience in authentication methods **SSO** applications such as **NTLM, Kerberos, LDAP**.
* Hands on experience in using Web Server – **IIS**, Team Foundation Server (**TFS**), Visual SourceSafe (**VSS**), Data Transformation Services (**DTS**), System center configure management (**SCCM**).
* Proficient in writing Unit Test Cases for Business logic using **TDD**, **Qunit test framework and MS Unit test framework, Microsoft Fakes** Framework**.**
* Extensive knowledge of **.NET** security features such as **Authentication & Authorization, Windows-based Authentication, Forms-based Authentication, Authorizing Users and Roles**.
* Experience in Handling multi-threading using **TAP** and **TPL** patterns.
* Experience in Application development and Production support environment and cross platform web-based applications troubleshooting.
* Expertise in understanding user requirements and translating business requirements into technical solutions with excellent problem solving and troubleshooting capabilities.

**CERTIFICATIONS:**

* Microsoft Certified in ASP.NET

***Technical Skills:***

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| **Programming Languages** | C++, C#5.0/4.0/3.0/2.0, VB.NET, ASP.NET, T-SQL, PL/SQL, COBAL |
| **Operating System:** | DOS, Windows NT/98/XP/2000/2003/Vista/2008, UNIX |
| **Web Technologies** | .NET Framework 4.6/4.5/4.0/3.5/3.0/2.0/1.x, ASP.NET, MVC3.0/4.0/5.0, WebAPI, Silverlight 5.0/4.0/3.0, ASP.Net Ajax 3.0/2.0, JavaScript, TypeScript, JQuery, AngularJS 2.0 |
| **Xml Technologies** | XAML, XML, XDOCUMENT, XSLT, XPATH, XSL |
| **UI Technologies** | Win Forms, WPF, WCF, ASP.NET Web Forms |
| **IDE Tools** | VS 2015/2013/2012/2010, SQL Server Management Studio |
| **ETL Tools** | SQL Server Integration services (SSIS 2012), Data Transformation Services (DTS) |
| **Databases** | MS SQL SERVER 2012/2010/2008/2005, /SQL MS Access 2010/2007/2003, Oracle 10g/9i/8i |
| **ORM** | Entity Framework, N Hibernate |
| **Modelling Tools** | UML, MS Visio 2010/2007 |
| **Reporting Tools** | Telerik tool, SQL Server Reporting Services (SSRS), Crystal Reports |
| **Servers** | Windows Server 2008/NT, Microsoft IIS (7.5, 7.0/6.0/5.0/4.0) |
| **Middleware** | WCF, ADO.NET4.0/3.5/3.0/2.0, MSMQ, Web Services, Enterprise Library 4.1/3.1 |
| **Version Control Tools** | Visual SourceSafe2005, Subversion, Test Driven Development (TDD), Team Foundation Server 2010/2008, SharePoint 07/10/13 , GIT |
| **Test Automation Tools** | Selenium |

**Professional Experience:**

***Caterpillar, Deerfield, Illinois Sep 2019- Till Date***

***Application Developer***

***Responsibilities:***

* Ensured that all deliverables meet the quality standards of WFA
* Designed and developed different modules, classes using C# and designed GUI part with help of. Net framework 3.0
* Developed modules of the application in ASP. NET **MVC** and involved in writing C# classes
* Used ASP. NET web controls and HTML control in the design of web pages.
* Extensively used ASP. NET web server controls like Grid View for displaying the records.
* Designed front-end application components leveraging the Angular 4 framework.
* Used JavaScript to implement dropdown menus on web pages and displayed part of a web page upon request from user
* Extensively used CSS and Angular Material for styling the HTML elements
* Used functionalities to write code in HTML5, CSS3, Angular 4 JavaScript, jQuery, Ajax, JSON, and Bootstrap with MySQL database as the backend
* Developed custom directives (Attributes, Elements, and Classes) using AngularJS
* Defined new validations through Angular4 for the form field validation implemented through HTML5
* Written Angular Material driven JSON consuming Angular 2/4 functions to save User selections such as radio button, drop-down menu selections into a cookie
* Worked with React Js components, Events, Forms, Router, Keys, Animations, and Flux concept
* Developed the reusable templates and style sheets within the UI Standards and guidelines
* Designed and developed Page Objects using Page Object Design Pattern and Selenium.
* Experience in creation of Automation test scripts using frameworks like Page Object Model.
* Used Bitbucket as a code repository to check out project from it, make modifications, submit and commit changes to the local repository and then later to the central repository.
* Experience in UI Architecture design using Angular 2.0 components. Thorough understanding of core concepts like Ng Modules, Services, Dependency Injection, and decorators
* Developed Cross browser compatible responsive web pages (RWD) by combining LESS, Kendo grid system with JavaScript
* Involved in designing and implementing Web Rich UI for the Self-service Application using jQuery Ajax framework and Widget based JavaScript programmed model.
* Used Kendo Grid System and CSS3 Media Queries to develop single responsive application with good user experience in all platforms like desktop's tablet's and mobile phones.
* Worked on consuming web-services in the form of JSON via AJAX calls for creating business progress views as visual charts by using High Charts
* Involved in pre-testing the Web-Service calls with POSTMAN tool using end-points
* Implemented data formatted applications and deploy the script using client-side scripting using JavaScript also worked on DOM manipulation using JavaScript, jQuery
* Designed REST APIs that allow sophisticated, effective, and low-cost application integration
* Trouble-shot technical issues and identified modifications needed in existing applications to meet changing user requirements.
* Provided assistance to business users in the effective use of applications and information technology.
* Wrote technical procedures and documentation for the new and existing applications including operations, user guide, etc.
* Participated on IT project steering committees and be involved in the design phase of any new IT software development projects

***Environment****:* Visual Studio.NET 2017/2015, C#, SQL Server 2017, XML, HTML5, CSS3, jQuery, JavaScript, AJAX, Angular 4, NodeJS, Bootstrap, Jenkins, JSON, JSP, REST, SDLC (Agile Scrum) and Windows, Bitbucket.

***International Paper, Nashville, TN Dec 2018 – Aug 2019***

***Software Engineer***

***Responsibilities:***

* Create, analyze and review all Department Purchase Requests (DPRs).
* Assist in formulation and implementation of agency policies.
* Design various data models class diagrams, dataflow diagrams, workflow diagrams, sequence diagrams.
* Involved in design, coding for web application using ASP. NET **MVC** Framework 5.0, C#, Visual Studio 2017, **TOAD** for **Oracle** 12.10.
* Worked on defects raised in different environments, seeing the logs, debugging & replicate same scenario in local.
* Effectively implemented ASP.NET security infrastructure for authenticating and authorizing user access as well as performing other security related tasks.
* Worked on configuring IIS, which includes creating websites under sites, Handler Mappings, Application pool, Http Bindings, and configured Application Request Routing (ARR).
* Created and validated Views, User Controls, Models, View Models and Controllers of MVC Framework with Razor Engine and implemented features of security, testing of application.
* Designed Graphical User Interface (GUI) for various web pages using, HTML, CSS, JavaScript, JQuery and Angular.
* Worked on Responsive Web Design using Bootstrap, Grid Controls, CSS3, and Media Queries.
* Effectively used Angular a concise JavaScript Library for traversing HTML document, event handling and AJAX interactions.
* WCF Services deployed as a self-hosted service by means of window services bound with TCP Binding.
* Created Web API endpoints and Implemented client-side web applications using Web API
* Worked on .NET security features such as Form-Based Authentication and Role-Based Authorization.
* Wrote RDBMS objects like stored procedures, views and user defined functions using SQL Server 2014.
* Used Grid View, Data List and Repeater controls with Paging and Sorting for displaying various data on to the page.
* Created SSIS packages to pull data from SQL Server and exported to Excel Spreadsheets.
* Reports generated by using SSRS. Reports variables passed from ASP.NET web pages.
* Creating queries and joins on multiple tables, Functions and Triggers using LINQ in SQL 2016/2014 for inserting, updating, deleting the data into the relational tables.
* Optimized, SQL Enhance existing SQL for new features and/or performance. Analyze data to find inconsistencies
* Extensively performed manual testing process to ensure the quality.
* Responsible for maintaining versions of source code using GIT.

**Environment**: Visual Studio 2015,2017, ASP.Net MVC 5.0/4.0, Entity Framework 6.0/4.3, .Net Framework 4.5, Oracle 12c, TOAD for Oracle 12.10, Angular 2/4, IIS, TFS, C#, ASP.NET, Web API, JavaScript, CSS3, Kendo UI,Bootstrap, IIS7.0, HTML5,AJAX, WCF, TFS, GIT, XML, JSON, REST API, WCF Restful Services, DOM, REST Web Services, NUnit, LINQ, Crystal Reports.

**Client: Medtronic, Minneapolis, MN**

**Role: Sr. Net Developer Nov 2017- Dec 2018**

**Responsibilities:**

* Designed and developed different modules, classes using C# and designed GUI part with help of. Net framework 3.0
* Extensively worked on developing the complete web application to serve all the applications for their different flows.
* Used ASP. NET web controls and HTML control in the design of web pages.
* Designed, modelled multi-threaded, enterprise n-tier software agent using WCF web service in 3.0 framework.
* Designed WCF service contract for validating the user input.
* Extensively used ASP. NET web server controls like Grid View for displaying the records.
* Experienced in developing and consuming Web Services and n-tier web applications.
* Used JSON, JQuery for the Client side to pass the parameters for hand shake across applications and for client-side AJAX call, validations.
* Used ADO. NET for data interaction between the web application and the Database using Data reader, Datasets, and Data Adapters controls.
* Used JavaScript and ASP. NET for AJAX implementation and client-side validations.
* Used TFS for Versioning control and configuration management
* Followed agile methodology to develop the application.
* Involved in setting up and developing application onto SIT, Staging and Production environments.

**Environment:** Windows, .Net Core/GO, WCF, C#, ADO. NET, Visual Studio 2013/2015, SQL Server 2012/2014, SSRS, HTML, JavaScript, jQuery, CSS, UML, XML, IIS 8.0 and SDLC.