**BIJAY SHAKYA**

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**PROFESSIONAL SUMMARY:**

* **6 years** of technical experience in designing, developing, and debugging **client/server applications, n-tier web applications, and web services** using **Microsoft .NET** stack technologies.
* Experience working on **multiple domains**: Retail, E-commerce, HealthCare, Insurance, Banking projects.
* Proficient in developing both desktop and web applications using **ASP.NET MVC, MVVM, Web API, Web Forms in .Net Framework**.
* Sound knowledge in **Software Development Life Cycle (SDLC)** including requirements definition, design, implementation, and testing. Followed **Agile Software Development, Test Driven Development methodologies** in project development.
* Knowledge of **Object-Oriented Design** principles and **Design Patterns** in creating system-level solution designs.
* Competent in .NET technologies including **C#.NET, ASP.NET MVC, ASP.NET Core, Web Forms, ADO.NET, Entity Framework, LINQ, SQL Server, PL/SQL.**
* Expertise in designing **UI/UX** design with **HTML5, CSS3, DevExpress, Kendo UI, JavaScript, jQuery, Angular 6, Bootstrap, AJAX, XML.**
* Involved in the design and development of 3 Tier, N-tier distributed architectures, **MVVM**, **MVC architecture** using **OOAD** concepts**.**
* Implemented **Object Relational Mapping Models such as Entity Framework, Dapper** to associate an application with database for **CRUD** operations and utilized **LINQ** to Entities, Lambda Expressions.
* Extensively involved in **maintenance** and **bug fixing** of the existing projects.
* Optimized the database performance creating stored procedures, functions, views, joins with **SQL Server 2008/2010 /2012, MySQL, PostgreSQL.**
* Hands-on using ETL tools such as **SQL Server Integrating System (SSIS)** for bulk data processing.
* Ability to develop efficient **RESTful Web API** for client-server-based applications.
* Familiar with Unit and Functional Testing by using Visual Studio Unit Testing Framework, **xUnit, MSUnit**, **NUnit**.
* Experience building reports using report generating tools like **Microsoft SSRS.**
* Comfortable in using Source Code Version Control Systems like **SVN, Git, Bitbucket, Team Foundation Server (TFS)** for documentation and versioning.
* Troubleshoot database problems using **SQL Profiler** and **Performance Tuning**.
* Participated in the development, designing, and deployment of applications using cloud-based **Microsoft Azure** and **Windows Server Administrators (IIS)**.
* Build code pipeline to automate CI/CD process using cloud services like **Azure**, **AWS**.
* Mentored juniors, interns and provided technical ideas to develop **quality code**.

 **TECHNICAL SKILLS:**

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| **Technical Specialization** | C# .NET, ASP.NET, MVC 4, .NET Core, Entity Framework, OOP, ADO.NET, JavaScript, jQuery, Angular 4, Angular 6, SQL, MySQL, PostgreSQL, LINQ, WPF, XML, Bootstrap, HTML5, AJAX, Web Forms, Web Services, REST API, SSIS |
| **IDE Tools** | Visual Studio 2010/2012/2019, Visual Studio Code, Sublime Text, WebStorm, Workbench, SQL Server Management Studio, N-Unit |
| **Languages** | ASP.NET MVC 4, ASP.NET Core, ASP.NET, C#, C/C++, Python |
| **Scripting** | XML, XSD, HTML5, CSS3, Kendo UI, DevExpress, jQuery, JSON, JavaScript, AJAX |
| **Web Servers** | IIS 8.0/7.0/6.0 |
| **DBMS** | SQL, MySQL, PostgreSQL, PL/SQL, T-SQL, ADO.NET |
| **Version Management Tools** | SVN, Git, GitHub, Bitbucket, TFS |
| **Reporting Tools** | SQL Reporting Services (SSRS) |
| **Operating Systems** | Windows, Linux |
| **Cloud Services** | Microsoft Azure, Azure DevOps, AWS |
| **Other Technologies** | SSIS (SQL Server Integration Services), POSTMAN |

**EDUCATIONAL QUALIFICATION:**

**Master of Science in Computer Science,**

**Dakota State University, Madison, SD**

 **PROFESSIONAL EXPERIENCE:**

**Footlocker Inc, Camphill, PA Aug 2020 – Present**

**Role: .NET Software Engineer**

**Project Description:**

**SPAF (Special Pick and Air Freight)** isaFootlockerretail project that provides a web platform to manage the delivery requests to USA, Canada, and Europe customers and estimates the product delivery cost. It also provides the email notification to the product request approvers and requestors and allows the users to view or download the product delivery estimation invoice report. The application is developed using ASP.NET MVC, SQL, Kendo Telerik UI, Bootstrap, jQuery, AJAX.

**Responsibilities:**

* Developed retail-based web application on .**NET 4.6.1 Framework** using **ASP.NET MVC, C#, Dapper** as backend technologies, and **SQL** as database management.
* Designed responsive User Interface using **HTML5, CSS, Bootstrap 4, Kendo UI** and excessively used **jQuery, AJAX** for handling user request events.
* Utilized various **Kendo UI components** such as Kendo Grid, Multi-Level Cascading Dropdown list, Excel Reporting.
* Worked with Business Analysts in understanding business requirements and analyzing the client requirements.
* Architected **generic classes** and **master pages** to reuse them dynamically and recursively wherever required in Software Development Lifecycle.
* Developed **Database Access Layer** and **Business Layer** using **C#, ADO.NET** to link business logic with the database.
* Implemented generic logging and alert notification modules throughout the application to avoid code redundancy.
* Extensively used **Object Oriented Concepts** like Inheritance, Polymorphism, Interfaces, Enums, Repository Patterns.
* Actively involved in providing the technical support, and deploying the applications using **Team Foundation Server (TFS) and Windows Server Administrators (IIS)**.
* Handled the **debugging**, and **bug fixing** tasks in the existing applications.
* Optimized the old existing applications replacing outdated features and **automated** the **manual operations**.
* Worked with **Google API services, MS Excel,** and **Flat files** to validate the client data and developed a module to generate the report in PDF format using **ITextSharp**.
* Created database objects such as **stored procedures, triggers, views, tables** to optimize the query performance.
* Assisted the co-workers in **troubleshooting** the applications to resolve the issues.

**Environment:** C#, .NET 4.6.1, ASP.NET MVC, Visual Studio 2019, ADO.NET, SQL, REST API, HTML5, CSS, Bootstrap 4, Kendo Telerik UI, jQuery, AJAX, Dapper, TFS, Azure DevOps.

**Cox Automotive, Atlanta, GA Oct 2019 – Aug 2020**

**Role: Full Stack Software Engineer**

**Project Description:**

**Cox** has multiple branches which provide various services to the customers. **Cox Automotive** specifically provides numerous software platform solutions that ease marketing, inventory, sales, servicing of vehicles and automobile parts for their dealers and customers. It provides the customers with updated market reports and conditioning of the vehicles through a web platform that helps to link the customers and the dealers anytime, anywhere.

**Responsibilities:**

* Developed and maintained software at all layers by programming, designing, and testing code to meet requirements.
* Developed **responsive UI/UX design** using **.NET Core MVC, Angular 6, CSS3, Bootstrap 4**.
* Designed reusable UI components, services, modules, pipes using **Angular 4**.
* Implemented server-side validation using **Data Annotations** and client-side validation using **Angular 6 validators**.
* Worked on database modeling and database schemas and created **views, functions,** **stored procedures in SQL Server 2012.**
* Worked on C# generic classes to create Support Functions and Database Operations.
* Worked extensively to create **Restful API** endpoints to consume the **REST** web services including security.
* Build async web services with **ASP.NET Web API** and **Entity Framework 6** to handle numerous requests simultaneously.
* Followed **Entity Framework Code First** mechanism and **LINQ** to perform CRUD operations.
* Converted the application to **Microsoft Azure** Cloud Service Project as part of cloud deployment.
* Utilized **Azure DevOps** for CI/CD implementation, Git versioning, automated build release, and testing.
* Used **Git** for Source Code Control, project-related document sharing, and team collaboration.

**Environment:** C#, ASP.NET Core MVC, LINQ, Visual Studio 2019, Angular 6, SQL Server 2012, Web Services, REST API, CSS, Entity Framework 6, Git, Microsoft Azure, Azure DevOps.

**Sanford Health, Sioux Falls, SD Jan 2019 – Sept 2019**

**Role: Software Engineer II**

**Project Description:**

**Sanford Health Plan** helps individual and family to plan their health insurance at an affordable price. It is designed to provide a platform to efficiently link the customers with the insurance company. It constitutes different modules that provide various services to the customer such as Preventive Care, Virtual Care, Pharmacy Medication, Health Coverage Report, and many more. The application features powerful search functionality and can generate several reports based on various inputs.

**Responsibilities:**

* Worked on **Agile Methodology** to collaborate with SCRUM team members to work on Sprint deliverables including regular stand-up meetings, sprint planning.
* Developed Razor views with strongly typed view models and **HTML Helpers** and partial views using **ASP.NET MVC, CSS, Bootstrap, JavaScript, Angular 4,** and **C**#.
* Leveraged **Angular** **4** for page scripting, **AJAX** calls, and **JSON** for passing objects from Controller to View and vice versa.
* Created **Data Access Layer (DAL)** abstraction by implementing Repository Pattern.
* Involved in the design of the DAL using **Entity Framework, Lambda Functions,** and **LINQ to Entities** to retrieve data efficiently.
* Migrated Data from different sources (Text-based files, Excel spreadsheets) to SQL Server Databases using **SQL Server Integration Services (SSIS)**.
* Exposure to **reporting generating tools** such as **SSRS** for building reports as required.
* Implemented Client-Side Validations using AngularJS and Server-Side validations using Data Annotations.
* Created **T-SQL** queries, views, stored procedures in the **SQL Server 2012** to optimize the database performance.
* Developed parser module that parses **XML** and **JSON** data files sent by the customers.
* Developed **Restful Web Services** using **Web API** that is consumed by various application modules for routing data between different systems.
* Adopted **Bitbucket** as version control for all the source code maintenance among the whole team.
* Responsible for the design, migration, development, and implementation of efficient applications and services for the **Windows Azure Platform**.

**Environment:** .NET 4.6, C#, Web Services, REST API, Angular 4, JavaScript, JSON, Visual Studio 2017, Bootstrap, XML, CSS, LINQ, SSIS, Entity Framework, T-SQL, Bitbucket, Windows Azure.

**Spiralogics Inc, Nepal July 2016 – Nov 2018**

**Role: Mid-Level Software Engineer**

**Project Description:**

**MING** is a HealthCare and Claim Processing project developed using C# MVC, MsSQL, and DevExpress. The project is based on worker compensation and health insurance policy of the United States. The main motive of the project is to establish an easy link between the injured party and the insurance company by assigning a case manager (nurse) to each injured party, who takes care of all the billing, medication of the injured party till the injured period. It handles several modules such as Injured Party Claim Processing System, Report Generating System, and Billing Information System to provide reliable Healthcare plans.

**Responsibilities:**

* Collaborated with team members in creating solution design and developing the **worker compensation** and **healthcare** project using **ASP.NET MVC, SQL, DevExpress, CSS, jQuery, AJAX**.
* Followed **Agile (SCRUM)** environment with cross-functional teams to work on Sprint deliverables.
* Implemented MVC design pattern for developing views, controllers, and models using **ASP.NET MVC 4, C# within MS Visual Studio 2012.**
* Created new database objects like Stored Procedures, Triggers, Indexes, and Views using **SQL** in the development and production environment for **SQL Server 2012.**
* Developed HTML helpers, Custom filters. Developed Views and partial views using Razor syntax.
* Utilized validation controls for server-side validation and JavaScript for client-side validation.
* Worked on different aspects of the .NET framework like **LINQ, Lambda Expression** and adopted **Entity Framework** as Object Relational Model**.**
* Developed web services to fetch look-up data using **REST API, XML, JSON functionality**.
* Hands-on using ETL tools such as **SQL Server Integrating System (SSIS)** for bulk data processing.
* Used **TortoiseSVN** for Source Code Control, project-related document sharing, and team collaboration.
* Design and assist in the setup and maintenance of the build/release infrastructure using the **AWS** cloud platform.
* Build and continuously improve internal automation, mainly through a continuous delivery pipeline implementing **AWS** code pipeline service.

**Environment:** C# 4.0, .NET MVC 4.0, Visual Studio 2012, Entity Framework, LINQ, SQL Server 2012, SQL, XML, DevExpress, JavaScript, jQuery, AJAX, Web Services, REST API, IIS, SSIS, TortoiseSVN, AWS.

**Nepal Investment Bank, Nepal April 2015 – June 2016**

**Role: Software Engineer (.NET Developer)**

**Project Description:**

**Cheque Transcript Register** is a desktop application designed for transaction purposes in the banking sector. The application was developed in C# and database management was handled in MS-SQL. It is a Web Forms application targeted to mitigate the tedious work of manually inserting every detail of cheque in the database system. The application scans the cheque and inserts each field value in the database. Our application reads four fields: Account No, Account Holder Name, Date, Amount Deposited. It also sends an email notification to the customers when the transaction is performed successfully.

**Responsibilities:**

* Actively involved in **Software Development Life cycle (SDLC)** starting from requirements gathering, feasibility analysis, requirement specification document, demonstrate the prototype, implement 3-tier architecture with User Interface, Business and Data Access.
* Involved in the design and development of user interfaces using **ASP.NET, JavaScript, AJAX, HTML,** and **CSS.** Developed **WinForms, Data Grids,** and the **.NET Datasets.**
* Worked on data sources **ASP.NET, ADO.NET, Web services** to perform CRUD operations under Microsoft .net platform framework 3.5/4.0.
* Implemented server-side validation using **ASP.Net Validation Controls and JavaScript** forclient-side validation**.**
* Configure and expose **RESTful web services** utilizing the **Web API framework**.
* Built **Web API** to create **HTTP Restful** Services to process client data using **JSON**.
* Deploy builds to an **IIS server, troubleshooting and debugging** issues as they arise.
* Developed **Stored Procedures, Functions, Views, and Triggers** for Data Manipulation, ensuring set up relations includes indexing, constraints, foreign keys, etc. using **SQL Server 2008 R2**.
* Designed and implemented **Logging Mechanisms**, **Exception Handlers**.
* Used **Team Foundation Server 2008** for version control.
* Performed testing to fix the defects and troubleshoot the technical problems.

**Environment:** C#, Web Forms, REST API, Web Services, .NET Framework 3.5/4.0, Visual Studio 2010, HTML, CSS, JavaScript, Ajax, ADO.NET, SQL Server 2008 R2, IIS, TFS.