**Email:** **Bajrangsinghrathore267@gmail.com**

**Contact: +1 908-264-5670**

**Professional Summary:**

Accomplished information lead technology developer (.NET expert) with some exposure to data technology, and lead in the domain data technology space, focusing on the financial industry.

* **Microsoft-certified Azure Fundamental 2024.**
* **Microsoft-certified Developing Microsoft SharePoint Server 2013 Core Solutions.**
* Overall 16+ years of hands-on professional software development experience, with experience in agile development, leading projects, and architecting systems.
* Experience in all the phases of the Software Development Life Cycle (SDLC) such as strategy and system analysis, designing, building (coding), testing, and documentation of software products
* Expertise in planning, building, and managing large-scale applications, using the latest technologies, incorporating industry standards and best practices
* Experienced in designing interactive application architecture patterns, and development of responsive and lightweight user-interface-focused applications.
* Extensive experience with financial data, operational strategy, and application development within a diverse range of industries.
* Worked extensively with Iterative Agile Methodologies and Waterfall methodologies Development.
* Knowledge of N-Tier architectures, scalability, integration issues, and an understanding of service-oriented and Azure Microservices.
* Proficient in ASP.NET, C#, MVC, Web API core 6.0, 3.1, Angular/ReactJS 16.0, Winforms, JavaScript/jQuery
* Experience Nuget Package Manager.
* Experience in Azure Microservices, SOAP Service & WCF Services.
* Expertise in working with SQL Server Reporting Services (SSRS) and SQL Server Integration Services (SSIS).
* Solid experience in DB design (SQL DDL & DML), procedural programming (stored procedures, triggers), T-SQL, PL-SQL, SQL Server Performance Tuning, improvement, storage, index, and configuration.
* Expertise in creating CRUD operations using ASP.NET, MVC and JSON.
* Creating LINQ-enabled database layer using API such as LINQ to SQL and Entity Framework
* Proficient in writing SQL Queries, Stored Procedures, Cursors, and Triggers for SQL Server 2008/2008R2 and 2012 and Oracle.
* Experience with source control and version control tools such as Visual Source Safe, Microsoft Team Foundation Server, and Tortoise SVN.
* Experience in developing web applications using ReactJS, HTML/HTML5, CSS/CSS3, DOM Manipulation, AJAX, jQuery, JSON, and Twitter Bootstrap.
* Experience in developing various applications using *Visual Studio*.NET technologies like *C#, ASP.NET, ADO.NET, and Web services.*
* Hands-on experience with Azure Cloud for creating Web-Applications and Azure CLI.
* Experience in building RESTFUL services using ASP.NET, and Web API, and performing CRUD operations.
* Experience in developing and consuming ASP.Net Web Services using WSDL and SOAP, ASP.Net Web APIs (RESTful), and Windows Communication Foundation (WCF).
* Experience in Azure Service Queue and Azure Bus Service.
* Solid experience in DB design (SQL DDL & DML), procedural programming (stored procedures, triggers), T-SQL, PL-SQL, SQL Server Performance Tuning, improvement, storage, index, and configuration.
* Expertise in creating CRUD operations using ASP.NET, MVC, and JSON.
* Dynamic and good team player with a strong inclination towards software development with Agile and waterfall methodologies, and expertise in programming using object-oriented concepts and design patterns.
* Possess excellent analytical skills, communication skills, and organizing skills.
* Excellent interpersonal, written, and verbal communication skills, enthusiastic team player and can also work independently.
* Experience in creating applications using .net framework, ASP.NET, MVC, Razor pages, WCF, RestAPI, WPF, C#.NET, XSLT, CSS3, HTML5, SQL server, and MS ACCESS.
* Docker Image creation, Azure Kubernetes Service AKS.
* Good working experience with ADO.Net and ODBC objects as a part of accessing and updating with database and database Connectivity APIs (ADO.Net) in Web Applications.
* Expertise in the design and development of user interface (GUI) using XML, XSL, XSLT, AJAX, HTML5, DHTML, VB Script, JavaScript, and CSS3.
* Experience in creating Wireframes

 **Educational Details:**

* Masters (MCA- Master of Computer Applications) / University of Kota, India/ Year 2005
* Bachelors (BSc- Bachelors of Science -Computer Applications) / MDS University Ajmer, India/ Year 2000

**Technical Skills:**

| **Web** | NET Core 6.0 API, C#, ASP.NET Web Farms, MVC, Razor pages, WEB API 2, ReactJS 16.0, Azure Microservice architecture ,RestAPI  |
| --- | --- |
| **Client-Side Library** | JavaScript, Bootstrap, jQuery, jQuery-Data-Table, Typescript, Angular-JS, Angular 8/9, Angular Material |
| **Database** | Azure Cosmos DB, SQL 2005/2012/2014, Oracle 10g/11i, ADO.NET, WCF, Entity Framework JSON, LINQ, |
| **Services** | Web ApiCore 6.0, XML SOAP Web Services, REST API |
| **Tools** | Visual Studio Code, Visual Studio 2019/2013/2008/2005, Nuget package Manager, SSIS, Postman, SQL Server Management Studio, Atlassian Jira for managing support tickets. |
| **Development Methodologies** | Agile Development, Waterfall, Scrum, Test-Driven Development  |
| **Source Code Control** | SVN, TFS, GitLab  |
| **Cloud Storage** | Azure Cosmos DB,Azure Storage (Blob Container, Amazon S3 bucket) |
| **CI/CD Tools** | Jenkins CI/CD pipeline, Azure Pipelines. |
| **Cloud** | Docker Image, Azure Kubernetes Service AKS, Azure functions, Azure Container Service, Azure App Services, Azure API Management, Azure Service Queue, Azure Service Bus. |

**Professional Experience**

**L’Oreal, Clark, New Jersey, USA**

**Lead Full Stack Senior .NET Developer/*Architect*** **March 2022- Present**

**Responsibilities:**

* System Analysis and Design
* This project focused on creating a platform for scientists in the cosmetics industry to research and develop new shades for hair, lip, and foundation products. Basic functionalities of the applications:
* Shade Acquisition:
* Integrate with various web APIs to retrieve existing cosmetic shade data (Color information, names, etc.). This involves custom APIs providing shade details.
* Shade Visualization:
* Provide tools for scientists to create new visualizations of existing shades. This involves:
* Mixing and blending existing shades virtually.
* Generating variations of existing shades (lighter, darker, cooler, warmer).
* Visualizing how shades would look on different skin tones or hair colors (using simulation techniques).
* Allow scientists to create their shade visualizations.
* Close interaction with the French team regarding requirement gathering, development, enhancements, and issue resolution.
* Azure Cosmos DB creation and data upload/data updating in Cosmos DB collections for the Dev environment.
* Created backend RestAPI for the front end.
* Developer/User testing of the application after deployment on the Dev server.
* Cloud: Docker Image generation, Azure App Service, Jenkin CI/CD Setup.
* Azure Service Queue, Azure Service Bus.
* Test Cases: Written Test cases, Integration test cases, and automation test cases.
* Worked in ReactJS for front-end development.
* Participated in daily Scrums with the French team and US team to discuss the progress of the application development, tasks to be done, and tasks that have already been completed.
* Extensively worked on UAT/PIT/PROD issues to ensure seamless application performance.
* Using GIT to keep the repo up to date and Jenkins DevOps to track all the sprint work.
* Jenkin CICD setup and deployments for each sprint on Dev/Pit environments.
* Production support for new/existing Visualizations.
* Used Azure Microservice for backend/frontend.
* Used Docker Image
* Azure Kubernetes Service (AKS)

**Environment**: Backend: C#, ASP.NET Core 6.0 Web API, .NET Core 6.0, NuGet Package Manager, Frontend: React JS 16.0, Database: Azure Cosmos DB, Azure Storage (Blob Storage), CI/CD, Jenkins pipeline, Kubernetes, Visual Studio Code,

GitLab, w33 Azure Dev Ops, Docker, Azure Kubernetes Service (AKS).

**Zee Entertainment, India March 2021 – Feb2022**

**Architect**

**Approval Management System:**

**Responsibilities:**

The primary scope of this project is to allow employees to submit an approval based on the nature of the transaction and function, and the request goes to multiple approvers based on the approval trail. Options are available for the HTML editor to add a summary of approval, to keep track of submitted approvals, Approve/Reject/Send Back option for approvers.

* System Analysis and Design.
* Close interaction with clients regarding requirement gathering, development, enhancements, and issue resolution.
* Implemented a robust enterprise-level project utilizing ASP.NET and C#, with the Microsoft SQL Server serving as the backend database.
* Developed sophisticated C# components to seamlessly integrate and implement intricate business logic, intelligently utilizing them through ASP.NET.
* Innovatively designed and implemented reusable User Interface (UI) elements by leveraging ASP.NET, ensuring a modular and maintainable application structure.
* Utilized ADO.NET extensively for efficient and secure database manipulations and connections, adhering to best practices in data access.
* Implemented stringent data validation protocols on Web Forms, employing .NET Validation Controls and JavaScript to enhance user input accuracy.
* Configured advanced security features using Form-Based Authentication and Role-Based Authorization, implementing a robust access control system through C# and ASP.NET.
* Demonstrated expertise in Document Object Model (DOM) manipulation using JavaScript, jQuery, and Angular, ensuring dynamic and responsive user interfaces.
* Obeyed organization privacy policies and followed windows authentication mechanism for successful Authorization and Authentication regarding the application.
* Used N-tier architecture for presentation layer, Business and Data Access Layers using C#.
* Used C# and ADO.NET to implement secure middle-tier component using connected and disconnected environment strategies
* Developed web forms using ASP.NET, server controls and validation client side using Java Script.
* Developed using ASP.NET MVC, Razor pages, and Dependency Injection.
* Created stored procedures, views, and functions using SQL.
* Application Migration from On-premise to Azure ( From MVC .NET 4 to .NET Core 3.1)
* Production Support to the client for managing the application
* Created Wireframes for Application presentation to the clients.

**Environment:** C#, ASP.NET MVC Core 3.1**,** Razor pages, Nuget package Manager, Angular 8, Bootstrap**,** Microsoft SQL

Server 2016 Azure Managed Instance, Azure Storage (Blob Storage) for file uploads.

**Zee Entertainment, India July 2017 – Feb 2022**

**Lead .NET Developer**

**Responsibilities:**

* **BMS Support:** Users login creation and access management – L1 support
	+ - * 1. It's a windows based application. Winforms used in this application.
* **Deal Planner**: This module is related to the sales team where sales executives suggest a deal for a client and on approval from the management the deal is finalized using this module. It gives the best TRP-based programs for different channels in a suitable budget for the client, mainly advertising agencies*.*
* **F&F:** This module gives the status of off-air programs and details such as receiving all materials related to a program. Based on the status, approvers approve the F&F of a program and make the final payments.
* **Dispute Resolution:** This module is used to resolve the payment-related disputes of the clients.
* System Analysis and Design
* Created stored procedures, views, and functions using SQL.
* Involved with all stages of the Software Development Life Cycle.
* Worked with an Agile, Scrum methodology to ensure delivery of high-quality work with monthly iteration.
* Used ADO.NET classes provided by the .NET Framework for database connectivity.
* Created stored procedures, views, and functions using SQL.
* Created Windows Task Scheduler to run automatically daily at specified times.
* Obeyed organization privacy policies and followed Windows authentication mechanism for successful Authorization and Authentication regarding the application.
* Used N-tier architecture for presentation layer, Business, and Data Access Layers using C#.
* Used C# and ADO.NET to implement secure middle-tier components using connected and disconnected environment strategies.
* Developed web forms using ASP.NET, MVC, Razor pages, and server controls and validated client side using JavaScript.
* Used JIRA for ticket management for BMS system support.
* Did close interactions with the client/stakeholders for change requests or enhancements.
* Led the DR-drill activity for the BMS project.
* Implement Google FIREBASE notifications for the Deal Planner project.
* Supported Windows Task Schedulers on the server for the BMS project.
* Production Support to the client for managing the application

**Environment:** C#, ASP.NET 4.5, Nuget package Manager,Telerik Controls, Bootstrap, Microsoft SQL Server 2016, JavaScript/jQuery

**Zee Entertainment, Mumbai India July 2016 – Jun 2017**

**Senior .NET Developer**

**Responsibilities:**

* This Project is used to maintain the set-top box information provided to cable operators/end users and based on the data uploaded several reports are generated for business management decisions.
* Modules:
* **ZCP** - Created new reports and updated existing SSRS reports
* **Placement Factsheet Online** - To maintain factsheets of channel placement yearly. A factsheet is a contract between Zee and Vendor to run specific programs on agreed LCN/frequency. A factsheet gets approved by different approvers on different levels.
* System Analysis and Design
* Served as a pivotal interface between SQL Server Reporting Services (SSRS) and ASP.NET applications.
* Developed complex reports using SQL Reporting Services (SSRS), enhancing data visualization and analytics capabilities.
* Implemented and optimized SQL Stored Procedures, ensuring efficient execution of database operations and improved application performance.
* Actively participated in various client meetings, collaborating with the team and Project Manager to discuss improvements and amendments, ensuring alignment with client expectations.
* Obeyed organization privacy policies and followed Windows authentication mechanism for successful Authorization and Authentication regarding the application
* Used N-tier architecture for presentation layer, Business, and Data Access Layers using C#.
* Used C# and ADO.NET to implement secure middle-tier components using connected and disconnected environment strategies
* Developed web forms using ASP.NET, Razor pages, and server controls and validated client side using JavaScript.
* Created LINQ-enabled database layer using API such as LINQ to SQL and Entity Framework
* Designed complex queries using DDL & DML, Stored Procedures, and Views using SQL Server.
* Creation of new and modification in existing SSRS (SDL) reports.
* Publishing and testing SSRS reports on the Server and consumer applications
* Set up of Online SSRS reports and subscribe to users for daily/weekly/monthly reports.
* Worked on SSIS for data migration and integrations.
* Production Support to the client for managing the application
* Worked on SOAP services.

**Environment/Technologies:** C#, ASP.NET 4, MVC, Razor pages, Nuget package Manager, Telerik Controls, Microsoft SQL server 2016, SSRS Reports.

**Axis Bank Ltd, India**

**Senior .NET Developer Jun 2015 – Jun 2016**

**Responsibilities:**

* This Project is related to the demand management system of the IT department of a leading private bank. The project involves the integration between PPM (Project Portfolio Management) and SharePoint server 2013, from initiation to closure of a request involves multi-stage approval, completing milestones, and execution of multiple workflows depending on the demand type.
* UI Re-design and close interaction with clients regarding enhancements and issue resolution.
* This Project is related to the demand management system of the IT department of a leading private bank. The project involves the integration between PPM (Project Portfolio Management) and SharePoint server 2013, from initiation to closure of a request involves multi-stage approval, completing milestones, and execution of multiple workflows depending on the demand type.
* UI revamp(redesigning) for all existing pages.
* Obeyed organization privacy policies and followed Windows authentication mechanism for successful Authorization and Authentication regarding the application.
* Close interaction with clients regarding enhancements and issue resolution.
* Obeyed organization privacy policies and followed Windows authentication mechanism for successful Authorization and Authentication regarding the application.
* Used N-tier architecture for presentation layer, Business, and Data Access Layers using C#.
* Used C# and ADO.NET to implement secure middle-tier components using connected and disconnected environment strategies.
* Developed web forms using ASP.NET, and server controls, and validated client side using JavaScript.
* Created Visual Web parts for the SharePoint website pages, added server controls, and wrote the code for them.
* Designed complex queries using DDL & DML, Stored Procedures, Views using SQL Server.
* Involved in writing and maintaining complex SQL queries, Triggers, User-defined functions, and the required Stored Procedures in T-SQL.

**Environment/Technologies:** SharePoint 2103, ASP.NET, C# 4.0, SQL SERVER 2012, EPM Integration.

**TSPI, India Nov 2013 – May 2015**

**Senior .NET Developer**

**Responsibilities:**

* TSPI is an automation process using which users can fetch sales orders from AX Dynamics and can create |production orders with effective planning and creating production orders in Dynamics AX. It includes features such as excluding sales orders, reservation of items, splitting of sales lines, and managing load stops automated and manually.
* Created production schedule.
* Reservation of items
* Created Load n Stop for each sales line under the selected sales orders
* Implemented SOA Architecture methodology and WCF services for the communication between Portal and Dynamics AX.
* Obeyed organization privacy policies and followed Windows authentication mechanism for successful Authorization and Authentication regarding the application.
* Used N-tier architecture for presentation layer, Business, and Data Access Layers using C#.
* Used C# and ADO.NET to implement secure middle-tier components using connected and disconnected environment strategies.
* Created MVC Razor pages for views.
* Designed complex queries using DDL & DML, Stored Procedures, and Views using SQL Server.
* Involved in writing and maintaining complex SQL queries, Triggers, User-defined functions, and the required Stored Procedures in T-SQL.
* Interaction with the Dynamics AX team for the data and services required for the project.

**Environment/Technologies:** .NET 4.0, C#, ASP.NET, MVC, Razor pages, Nuget package Manager, Entity Framework,

WCF, HTML, Microsoft SQL, jQuery.

**HRIS, India Jan 2011 – Nov 2013**

**Senior .NET Developer**

**Responsibilities:**

* HRIS is a collection of different web applications, mainly developed for employees of the organization. The main purpose of this project is to facilitate employees to allocate fund allocation to his/her beneficiaries, view pay slips, view balances of different benefit plans of the organization, update bank details, etc. Both LDAP authentication and login window is implemented for employees**.** Users can switch among these web modules using single sign-on.
* **IS online Bank Details**: Employee Bank details update module, Admin sections, where admin can see all updated employee bank details and can do other admin activities.
* **Designation of Beneficiary:** Fund allocation, Approval of Application, Listing of application for admin users.
* **ISDB:** This project is developed for employees to view/download several types of deferred benefit plans of the organization
* System Analysis and Design.
* Modules- IS online Bank Details: Employee Bank details update module, Admin sections, where admin can see all updated employee bank details and can do other admin activities.
* Modules- Designation of Beneficiary: Fund allocation, Approval of Application, Listing of application for admin users.
* Modules- ISDB: This project is developed for employees to view/download several types of deferred benefit plans of the organization.
* System Analysis and Design.
* Involved in Production support, interacting with clients regarding issues, and fixing issues.
* Obeyed organization privacy policies and followed Windows authentication mechanism for successful Authorization and Authentication regarding the application.
* Used N-tier architecture for presentation layer, Business, and Data Access Layers using C#.
* Used C# and ADO.NET to implement secure middle-tier components using connected and disconnected environment strategies
* Developed web forms using ASP.NET, and server controls and validated client side using JavaScript.
* Designed complex queries using DDL & DML, Stored Procedures, and Views using SQL Server.
* Involved in writing and maintaining complex SQL queries, Triggers, User-defined functions, and the required Stored Procedures in PL-SQL.
* Close interactions with the client for change requests and enhancements.
* Involved in Production support, interacting with client regarding issues, fixing issues.
* Worked on SOAP services.

**Environment/Technologies:** .NET 3.5, C#, ASP.NET, ADO.NET, Crystal Reports, HTML, Oracle 11i, JavaScript, SOAP.

 **Retina Software, India Sep 2009 – Dec 2010**

 **Senior .NET Developer**

**Responsibilities:**

* Mobile sync provides the facility to sync mobile data to and from the web. Users can synchronize their Contacts, Calendars, Tasks, Photos, Music, Video, and SMS with mobile phones. This project is available for BlackBerry, Android, Windows Mobile, and iPhone. Users can see uploaded logs on the web panel and can add, edit, delete, and download the data.
* System Analysis and design
* Complete Web panel development
* All Upload/download APIs for different mobile devices
* All Database management including tables, Stored Procedures, and functions.
* Complete System Analysis and Design from scratch
* Complete Web panel development using Web Forms
* All Database management including tables, Stored Procedures, and functions.
* All Upload/download APIs for different mobile operating system devices including Android, IOS, and Windows Mobile.
* Used N-tier architecture for presentation layer, Business, and Data Access Layers using C#.
* Used C# and ADO.NET to implement secure middle-tier components using connected and disconnected environment strategies.
* Developed web forms using ASP.NET, and server controls and validated client side using JavaScript.
* Designed complex queries using DDL & DML, Stored Procedures, and Views using SQL Server.
* Involved in writing and maintaining complex SQL queries, Triggers, User-defined functions, and the required Stored Procedures in T-SQL.
* Close interactions with the project team for change requests and enhancements.
* Deployment of the backend API on Sandbox for testing and integration with mobile devices for data syncing.
* Close interaction with the testing team and individual mobile OS developers regarding consuming Web API and debugging and resolving the issues.
* Writing API endpoints for different OS Android, IOS, Blackberry, Windows Mobile, and Bada OS.
* Creation of MySQL tables, procedures, and views.
* Used SVN for code repository.

**Environment/Technologies:** .NET 2.0, C#, ASP.NET, ADO.NET, HTML, Microsoft SQL 2005, JavaScript.

**Truworth Infotech, India Feb 2008 – May 2009**

**.NET Developer**

**Responsibilities:**

* RxIS is an extremely powerful, yet simple browser-based Electronic Health Records Management System. It offers a comprehensive solution for health record creation, portability, and analysis.
It presents a unique template-based approach to capture, store, retrieve, and analyse data which will change the way you record patient care information forever. We have customized templates to capture care information for each medical specialty.
* Extensively used LINQ to create data entry web apps with LINQ to SQL to perform CRUD operations.
* Used PL-SQL
* Used C# and ADO.NET to implement secure middle-tier component using connected and disconnected environment strategies.
* Designed and implemented components that convert disconnected record sets to valid XML that is transformed by XSL/XSLT/XPATH files to HTML5.
* Used N-tier architecture for presentation layer, Business and Data Access Layers using C#.
* Involved Coding and debugging using ASP.NET and C#.
* Designed complex queries using DDL & DML, Stored Procedures, Views using SQL Server.
* Involved in writing and maintaining complex SQL queries, Triggers, User defined functions and the required Stored Procedures in T-SQL.
* Developed web forms using ASP.NET, XML server controls and validated client side using Java Script.
* Obeyed organization privacy policies and followed windows authentication mechanism for successful Authorization and Authentication regarding the application.
* Complete Web panel development
* Web panel created using ASP.NET 2.0 Web Form, C#, and JavaScript Validation.
* All Database management including tables, Stored Procedures, and functions.
* TFS for code repository
* Unit Testing
* ASP.NET Web Form and Javascript Validation.
* Involved in Coding and debugging using ASP.NET and C#.
* Obeyed organization privacy policies and followed Windows authentication mechanism for successful Authorization and Authentication regarding the application.
* Used N-tier architecture for presentation layer, Business, and Data Access Layers using C#.
* Used C# and ADO.NET to implement secure middle-tier components using connected and disconnected environment strategies.
* Developed web forms using ASP.NET, and server controls and validated client side using JavaScript.
* Designed complex queries using DDL & DML, Stored Procedures, and Views using SQL Server.

**Environment/Technologies:** .NET 2.0, C#, ASP.NET, ADO.NET, HTML, Oracle 10g, JavaScript.