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**PROFESSIONAL SUMMARY**

* Software professional with 14+ years of progressive technical and functional experience specializing in complete SDLC life cycle from gathering requirements to deploying of N-Tier architecture applications using different software methodologies like Agile and Waterfall.
* Worked in a variety of industries, such as the **Public defined benefit pension system, automotive, Insurance, IT, and healthcare sectors.** Proven ability to deliver optimal solutions by adapting skills and expertise to meet industry-specific challenges.
* Involved in Analysis, Design, development, Testing, Deployment, documentation and maintenance of internet, intranet, Client server and object-oriented applications built on Microsoft related technologies.
* Strong skills working in cross-functional teams including Product owners, Business analysts, IT professionals, financial specialists, and office services.
* Experienced in Agile methodology and participating in daily Scrum and Team meetings to identify business requirements, define deliverables, estimate timelines, create PBIs, Tasks, Bugs, and allocate work to meet deadlines.
* Have Ability to manage team, ability to work within tight deadlines, a self-motivator, and Team Player
* Expertise in RDBMS concepts and creating and running SQL queries.
* Expertise in Query tuning, Normalization, and maintenance of **SQL** **database 2005/08/14/16/17/19,** and development of SQLobjects like **Tables, Views, Functions, Triggers, Indexes, and Stored procedures**.
* Extensively used **LiteSpeed** to backup and restore databases.
* Created **database snapshots** using DB scripts to **restore database** in case of deployment failures.
* Experienced in SQL Server Integration (**SSIS**) and Reporting Services (**SSRS**) for various business units across the organization.
* Expertise in utilizing XML and JSON parsing within SQL for efficient data extraction and manipulation.
* Designed and implemented **dark feature toggling in SQL** to manage experimental features dynamically. Created **role-based access controls** for SQL databases to impose fine-grained permissions, improving operational effectiveness and data security.
* Experienced in collaborating and mentoring resources to deliver well-written, optimized, robust, scalable, test driven, peer-reviewed web applications using **C#, VB .Net, ASP .Net, Selenium, .Net Core API, MVC, Web Services, Entity framework (EF) 5.0/6.0, EF Core 2.0/3.0/3.1/6.0, Language Integrated Query (LINQ), xUnit, NUnit, Moq, Angular, Kendo UI, Jasmine, karma, SQL server, and tSQLt**.
* Hands on experience in **Front-end/User Interface (UI)** design using Win forms, Web forms, **ASP .NET MVC3.0/4.0/5.0, Razor Pages (CSHTML), Angular JS, Angular 4/5/6/8, Type script, Java script, jQuery, AJAX, CSS2/3, Bootstrap, Kendo jQuery, Kendo Angular, XML, XSD, XSLT, XPATH and JSON**.
* Developed **B2B applications** for request response design patterns using **MS BizTalk Server 2006, 2010, and 2013R2** utilizing **Orchestrations, Mappers, Schemas, Adapters, Ports, Pipelines, and** Adapters like WCF-Custom isolated adapter, WCF-Basic Http adapter.
* Implemented business rules using BizTalk Business Rules Engine (BRE).
* Experience calling and exposing Orchestrations and Schemas **as Web Service**.
* Good experience in implementing Web Service, REST services using Web API which communicate data as both XML & JSON
* Extensively used source control tools like **Azure DevOps**, **GIT, VSTS, and Team foundation Server (TFS).**
* Introduced, developed and Utilized CI/CD pipeline for .Net, Angular, and SQL (Red gate).
* Experience in deploying and testing web applications on IIS 5.0/6.0/7.0/8.0/10.0.
* Ability to understand, Flexible and quickly adapt to changing environments.

**Technical Skills**

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| Programming | C#, .Net **2.0/3.0/4.5/ 4.5.2/4.8**, **.Net Core 2/3.0/3.1,** VB.Net **2.0/4.5** |
| Database | SQL Server 2008 r2/2012/2014/2016/2017/2019 |
| Front End | Angular JS, jQuery, CSS, HTML, Angular 4/5/8, Kendo UI, Bootstrap, Angular Material |
| BizTalk Tools | BizTalk 2006/2009/2010/2013R2, BAM, BRE, Tracking Profile Editor |
| Adapters | WCF-Basic Http, WCF-Custom-Isolated |
| Text Formats | JSON, XML, XSLT, WSDL |
| Operating Systems | Windows Server 2008R2/2012/2014/2016/2019, Windows7/8/10. |
| IDE & Image Editors | Visual Studio.NET 2012/2014/2017/2019, Visual Studio Code |
| Testing tools | SOAP UI, VS Unit test, WCF Test Client, xUnit, NUnit, Moq, Post man, Selenium, Jasmine, Karma |

**Education**

* Master of Sciences, May 2013 - Wilmington University, New Castle, DE
* Bachelor of Science, April 2011 – Jawaharlal Nehru Technological University, India

**Professional Experience**

**CRC Group, Remote**  Oct ’21 - Current

**Project Scope:**

CRC Group is an insurance company that deals with whole sale insurance. REDY is a Risk Evaluation database project that helps Agents with Quotes, Statement of values (SOV) for Property, and other necessary information to make an informed decision.

**Responsibilities:**

* Installed and configured SQL Server management studio (SSMS), Visual studio 2019, Kendo jQuery, Post man, .Net Core 5/6.
* Worked with business team to review requirements, Scrum master to create user stories, and with QA to fix any issues/findings.
* Worked on creating and modifying build and deployment pipelines for new and existing applications.
* Upgraded project from .net core 5 to .net core 6 including their dependencies.
* Created external facing web API using .net core 6 and Azure Authentication.
* Utilized Azure key vault to save app settings information needed for API calls
* Utilized Azure API manager, configured the Keys to make API calls from .Net Core project
* Extensively worked on query tuning, and normalization to decrease load time.
* Utilized information of users from Azure Active Directory groups to create and modify data in the table.
* Worked with external vendors like PING, Relativity to use their APIs for Analytics and NAICS

**Environment:**

.Net 4.8, .Net Core 3.1/6.0, CSS, HTML5, Java Script, Ajax, Bootstrap, Kendo UI for JQuery, Visual Studio 2017/2019/2022, SQL Server 2017, SSIS, EF Core 3.0/6.0, Azure DevOps, Azure Key Vault, Azure API Manager.

**Maryland State Retirement Agency (MSRA), Baltimore, MD**  Aug '14 – Oct ‘21

**Project Scope:**

**MSRA** is public defined benefit pension systems that caters retirement and pension plans for State, Participation Government Units (PGUs), and Quasi state agencies.

**MPAS** Project is a collection of applications related to Retirement and pension systems developed in Microsoft BizTalk server, BRE, C#, .Net, .Net Core, Angular, SQL Server Integration service, SQL Server Reporting service, and Web Services. This project deals with all the phases starting from employee’s enrollment for retirement plan through monthly pension after retirement to payments to beneficiaries of the deceased.

***Phase IV – .Net Core with Angular and SQL***

Phase 4 of the project deals with upgrading web facing Employer application to Single page application (SPA) in new technology involving API in .Net Core 3.1, UI in Angular 8 and SQL 2017.

**Responsibilities:**

* Installed and configured SQL Server management studio (SSMS), Visual studio 2017/2019/2022, Kendo UI for Angular, .Net Core 2.0/3.1/6.0, Visual studio Code, and Angular 5.0/8.0/14.0.
* Extract data from standard Client defined Excel, and Text file and save it to database for further processing.
* Utilized SQL Profiler for query tuning, and worked on SSMS, SQL Server integration systems (SSIS), and SQL Server Reporting services (SSRS).
* Developed SQL artifacts and moved business logic from .Net to SQL stored procedure to improve performance.
* Extensively worked on query tuning, and normalization to decrease load time of the application.
* Designed and implemented CRUD operations for the views and used class-based services.
* Extensively worked on creating tables, views, stored procedures, and database functions.
* Used Entity framework core model first approach for data polling, updating, and deleting of modified records.
* Utilized information from Active Directory groups, to send the user related AD groups to database for user management, access control, and role-based authentication for intranet applications.
* Developed SPA in angular using visual studio as code editor and used entity framework core 3.0 for Object relational mapping.
* Created selectable, sortable, pageable, filterable grid in Angular 8.0 using Kendo UI for Angular and editable form in grid using pop up mode.
* Created Modal dialog for forms, confirmation dialogs and viewable help page.
* Worked on component interactions with parent to parent, parent to child and child to parent interaction in Angular 8.
* Worked on routing, AUTH Guards, Event emitters, and http interceptors.
* Model View View Model (MVVM) architectural pattern is used in this module.

***Phase III – ASP.Net MVC with Kendo UI***

Phase 3 of the project deals with Employer Payroll application. Employer uploads a positional text file containing employee’s monthly contribution with salary and personal details. Uploaded data is validated for SSN, system, plan and salary amounts. Once the details are found to be as per expectation, data is processed and forwarded to a batch-oriented job (phase 1 jobs) to update it to database.

**Responsibilities:**

* Worked with Business analysts to review requirements for generation of files containing valid transaction, address that are used by BizTalk to update database
* Installed and configured SQL Server management studio, visual studio 2015, Kendo UI, **SSRS**, .Net 4.5.2.
* Developed **SQL tables, stored procedures, SQL functions** for saving and processing the data.
* Developed **SSRS reports that contain valid, invalid transactions** with additional information that helps business team to use files for further processing.
* Created editable data grid view using Kendo UI in MVC to display all the error transactions to internal users for reprocessing records.
* Developed and used custom template for pop-up editing in Kendo UI.
* MVVM architectural pattern is used in this module.
* Used Ajax to post data to controller.
* Used Entity framework for data polling, updating, and deleting of modified records,
* Created document for change management for this module.
* Working on requirement gathering for new module that is used to calculating and notify users on annual billing and fines amount.

***Phase II – Rewriting Business rules from ILog to BizTalk BRE/.Net***

Phase 2 involves rewriting all retirement and pension system’s business rules from ILog to BizTalk BRE/.Net based on the requirements and upgrading associated webservices from .Net 2.0 to .Net 4.5.

**Responsibilities:**

* Extensively used BizTalk rule engine to create business rules for Retirement Estimates, Cost of living adjustments (COLA), Interest calculations.
* Developed Business rules for Death payments and benefits in VB .Net.
* Created business rules and policies using Business rule engine composer.
* Created BRE vocabularies, Rules, Policy to validate incoming data.
* Business rules were developed to mimic sequential flow (BRE uses rete algorithm only).
* Implemented forward chaining and policy chaining using BRE.
* Migrated all the webservices with I-Log to .Net 4.5 with BRE and upgraded enterprise library to 5.0.
* Used BizTalk BRE API to call business logic through VB.Net web service.
* Developed VB .Net methods to connect to SQL to fetch updated Data
* Used existing Data Entity as XSD schema for business rule engine.
* Created temporary properties to aid with unit testing.

***Phase I – BizTalk Migration***

Phase 1 involves migration and maintenance of 82 BizTalk applications and their respective web services, and SSIS packages (12 applications). Once BizTalk receives input text file (Tilde or positional), the input data is modified as per requirements using functoids and is sent to webservice to update database and to generate report. BizTalk applications are migrated from version 2006 to 2013R2.

**Responsibilities:**

* Installed and configured BizTalk server 2013R2, Visual studio 2013, SQL Server 2014, SSRS, BRE, and BizTalk adapter pack in development and test environments.
* Worked extensively on migration of BizTalk artifacts i.e., Schema, Maps, Pipelines and Orchestration.
* Migrated Custom pipeline components used in applications from .Net 2.0 to .Net 4.5
* Extensively worked on Scripting, string, and Database functoids.
* Data received through BizTalk is modified in maps and sent to web service through Orchestration.
* Implemented file name Correlation in orchestration.
* Modified Scripting functoids, Schemas, Maps, and Custom Pipeline components as per the business requirements (legislative changes).
* Involved in migration of SSIS projects.
* Involved in unit testing and integration testing of migrated BizTalk, .NET, SSIS applications.
* Used Lite Speed to restore database backup to unit test (mimic production).
* Worked closely with business analysts for User acceptance testing.

**Environment:**

BizTalk Server 2006/2009/2013R2, BizTalk BRE, C#/VB .Net 4.5.2/4.7/4.8, .Net Core 2/3/3.1, ASP.Net MVC 5.0, CSS, HTML5, Java Script, Ajax, Bootstrap, Angular 5/8, TypeScript 2.6, Telerik Kendo UI for JQuery, Kendo For Angular, SOAP Web Services, Visual Studio 2008/2010/2013/2015/2017/2019, IIS 6.0/7.0/8.0, Perforce, TFS, SQL Server 2008/2014/2017, SSIS, SSRS, Entity framework 5.0/6.0, EF Core 2.0/3.1, Global event control server(GECS) 4.6, MS Office 2010/2013, LightSpeed, Windows 7/8/10, Windows server 2008/2016/2019, Enterprise library 2.0/5.0.

**Project:** Sheridan HealthCare Inc, FortLauderdale,FL Jan '14 – Jul ’14

**Project Scope:**

SMART Project exposes web services to internal systems/process to be consumed by them and the results of the service updated to back-office databases (SQL Server).

**Responsibilities:**

* Involved in developing EDI for 276, 277 and 837 HIPAA Transactions.
* Integrated with EDIFACTS for Advanced HIPAA Transaction validation.
* Integrated with business Partners for 276, 277, 837 Transaction processing.
* Utilizes BizTalk Server 2006 R2 Accelerator for HIPAA for claims processing.
* Designed and Developed Orchestration for tracking BAM Data.
* Designed and Developed Custom Pipeline components to enrich inbound EDI Documents with Header information.
* Created Receive, send ports and Locations using Different BizTalk Adapters which comes out of the Box.
* Designed and developed logging framework for tracking exception data using a business rules engine.
* Involved in clustering BizTalk 2006 R2, **SQL Server 2005** on Windows server 2003.
* Developed Unit test cases for testing .net components.
* Developed BAM Components which allow for the querying of message processing.
* Developed Vocabularies and polices for business rules using Business Rule Composer Tool.
* Worked on Administrative tasks of BizTalk Applications.

**Environment:**

C#.Net, BizTalk Server 2006 R2, HIPAA Accelerator for R2, BAM, XML, Web Services, SQL Server 2005, Visual Studio 2005/2008, Microsoft Visio, Windows 2003, VPC 2004/2007, Virtual Server 2005, Windows Services.

**Project:** Hewlett-Packard, Houston,TX May '13 – Dec ’13

**Project Scope:**

Hewlett Packard is a provider of products, software, and solutions to public and small-scale business. Configuration and system integration is a project that deals with integration between two teams using web services.

**Responsibilities:**

* Involved in the later stages of development and testing for production deployment.
* Worked closely with Architect, SQL developer, SharePoint developers, DBA, and testing teams.
* Installed BizTalk server in development and test environments including configuration of BizTalk Server 2013, Visual studio 2012, SQL Server 2012, ESB tool kit 2.2, BizTalk adapter pack and BizTalk deployment framework in Development (BTDF).
* Worked on Developing, testing and deployment of maps, custom pipelines, and Orchestration for processing messages.
* Extensively worked on creating Simulators to test the Web services.
* Created Custom components(Custom Pipelines) using C# .Net based on requirements of the project.
* Create pipeline in C# .Net to extract files from zip file (.doc & .pdf) and passing it to their respective APIs.
* Worked on AY100AV, AY111AV, AY103AV **Messages** AND testing.
* Created test cases and various test scenarios to test the message flow and web services.
* Used Concatenate, Logical, and scripting functoids to create mapping according to requirement.
* Used Power shell script to transfer data from one file share system to another.
* Exposed Orchestration and Schemas as Web Services.
* Created BAM tracking profile for tracking the message which are transactions between the web services.
* Used Bam TPE to locate the files that are saved using Orchestration.

**Environment:**

BizTalk Server 2013, BAM-TPE, ESB 2.2, BRE, IIS 8, C#, .Net 4.5, Windows 8 2012, MS SQL Server 2012, VisualStudio.NET 2012, TFS, SOAP UI, WCF test client.