RAMESH

MSBI/SQL Engineer

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# **Professional Summary**

* Microsoft BI Engineer with over 14+ years of experience in implementing Data warehousing solutions, Data Migrations with Data Stewardship.
* Design, develop and implement Hybrid solutions for small to large-scale enterprise data warehouse using ETL tools like Microsoft SQL Server Integration Services (SSIS) and reporting tools like MS SSRS and Power BI.
* Integrated complex HealthCare systems into Single warehouse and report data to top level management to daily users by Configuring Row Level Security [RLS] on data sets that are using Direct Query.
* Expertise in Data Analysis, Development, Testing, Maintenance and Implementation of database solutions as MSBI Developer with exceptional skills in design using Microsoft Business Intelligence Suite (SSIS, SSRS, SSAS) and Power BI Proficient in database design, T-SQL, Complex Queries, Stored Procedures.
* Have developed dynamic Reusable-Procedures, Packages, Functions, Triggers, Cursors, Views and Performance tuning.
* Optimized the performance of queries with modification in T-SQL queries, normalized tables, established joins and created indexes, column store index wherever necessary.
* Having good experience in CICD version control tool like Azure DevOps, GitHub, TFS, Clear Care and VSS for Code Management and deployment into different environment like DEV, QA and PROD.
* Worked extensively in both Agile & Waterfall methodologies.
* Having experience in regular interaction with the Business users, Application Users and Stake Holders – all belonging to different departments and divisions to ensure the smooth running of the applications.
* Having good experience in creating SSIS framework like Error handling, memory management, Error logging, and code reusability along with Precedence Constraints, Break Points, Check Points, Logging.

# **Certifications**

* TS: Microsoft SQL Server 2008, Database Development (70-433)
* Implementing Data Models and Reports with Microsoft SQL Server (70-466)
* Developing ASP.NET MVC Web Applications (70-486)
* Web Application Development with Microsoft .NET Framework 4 (70-515)

# **Education Background**

* Master of Computer Applications in Anna University, Tamil Nadu, India

**Technical Skills**

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| *Elements* | *Particulars* |
| Primary Skills | Transact-SQL, SQL Server Integration Services (SSIS), SQL Server Reporting  Services (SSRS), Power BI and Crystal Report. |
| Secondary Skills | Azure Data Factory, Azure Databricks |
| Databases | SQL Server 2014, 2008, 2005. |
| ETL Tools | SQL Server Integration Services (SSIS), SSDT 2015. |
| Scripting Language | Java Script, C# and VB script. |
| Reporting and Dashboard Tool | SSRS, Power BI and Crystal Report XI. |
| Source Control Tool | Azure DevOps, Visual Source Safe, Team foundation Server, GitHub |
| Issue Tracker | JIRA |
| Deployment Tools | TeamCity, Octopus |

###### Roles and Projects Experience

**Senior Application Developer - Aug 2016 to Present (Senior Application Developer at Phoenix, AZ Client: Aetna Medicaid**

**Project Scope:**

This project is the process of importing the data into Ancillary databases and based on the needs will insert/modify the QNXT Member Attributes, Conditions and PlanAction. Also based on the business requirement we can update the member address in QNXT entity table. To process, format and send member and provider information to state Medicaid regulatory agencies in a HIPAA compliant format. These members and providers are processed by the states and returned via HIPAA compliant data files.

**Responsibilities:**

* Actively involved in agile methodology (DevOps) and played as lead role.
* Creating and Managing SSIS solution using SSDT 2015 R2 to load the data from heterogeneous source into QNXT environment.
* Automated all the ETL solution using zeke/tidal jobs and created automatic email notification for management purpose.
* Transformed complex business logic into Database design and maintaining it by using SQL objects like Stored Procedures, User Defined Functions, Views, T-SQL Scripting and Jobs.
* Created complex dynamic store procedures, functions, and all other DB objects using T-SQL.
* Using the Jenkins, TeamCity and Octopus to build and deploy the SSIS application on test environments and to resolve the testing and production issues.
* Working in Member Enrollment Ancillary C# batch Application to import vendor and state files into ancillary database for QNXT process.
* Using edmx framework to connect SQL databases dynamically for all plans.
* Using MS Test Framework created unit testing project for this application to reduce the time spending for unit testing whenever the enhancements occurs.
* Environment: C#.Net, TFS, SQL Server, SSMS, SSIS, SSRS, Team City, Octopus, SOAP, GitHub, JIRA, SonarCube, Jenkins, MS Test, EDMX Framework.

**BI Project Lead – Jan 2010 to Aug 2016 (Client: Coventry Healthcare, Maryland, US)**

**Project Scope:**

FEP (Front End Processing) system is used to capture, manage, store, preserve and deliver content and documents related to organizational processes. FEP covers the management of information within the entire scope of an enterprise whether that information is in the form of a paper document, an electronic file, a database print stream, or even an email. FEP teamwork across different line of business and technical team to provide solutions for FEP. Develop custom software and retrieve millions of documents. Documents are scanned into Coventry high volume scanning operations and proceed through workflows for processing.

**Responsibilities:**

* Extracted data from various sources like SQL Server 2008,.CSV, Excel and Text file from share folder to Stage Database.
* Involved in creation/review of functional requirement specifications and supporting documents for business systems, experience in database design process.
* Assist in migration of MS Access Databases 2007 to SQL Server 2008 by using Import wizard and SSIS Packages in SQL Server.
* Participated in project planning sessions with project managers, business analysts and team members to analyze business requirements and outline the proposed solution.
* Developed confidential proprietary analytical tools and reports with Confidential Excel, and Power Pivot and Power Point.
* Created SSIS packages to import data from Access, Excel, XML, OLE DB Source and Flat Files.
* Filtered bad data using Derived column, Lookups, Fuzzy Lookups, Conditional split.
* Designed SSIS packages to import and transform data between databases and external data sources using various transformations like Data conversion, File system task, Row counts, OLE DB Source, OLE DB Destination, OLE DB Command, Merge Join, Conditional Split, Look up, Sort, Data flow task.
* Configure and maintain using Report Manager and Report Server for SSRS, Deployed and Scheduled the Reports in Report Manager
* Created Drill Down Reports, Drill Through Report by Region.
* Environment: Power BI, SQL Server 2012, SSMS, SSIS, SSRS, T-SQL, Windows 7, MS Word, MS Excel, C#, Visio, SQL Profiler.

**Associate Software Engineer – May 2008 to Dec 2009 (Client: Sunquest Information Systems Bangalore India)**

**Project Scope:**

Radiology manages information and images into one easy-to-use, easy-to-access information source to deliver operational efficiencies.  Innovative features optimize daily radiology department operations and standardize functions enterprise-wide to deliver new patient and exam process efficiencies.

**Responsibilities:**

* As a developer using classic ASP, Java and Scripts (Java Scripts, VB Script and HTML) to develop the front-end.
* Worked on developing middle tier components using VB and Cache as backend.
* Support for efficient image transport and tracking Comprehensive Protected Health Information (PHI) security with complete audit trails to help achieve HIPAA compliance.
* Worked in Design, Coding and Peer Review of the projects.
* Created Reports for business users to visualize the data using Crystal Report.
* Environment: Visual Basic 6.0, Classic ASP, MUMPS, Cache Object Script and Crystal Report 10.0

**Web Developer – Jan 2008 to Apr 2008 (Client: Canara Bank Bangalore India)**

**Project Scope:**

This project is web based financial monitoring system. The main aim of this application is user can easily monitor the service and to generate the reports based on the user rights. Project used flow the fund to higher level to particular bank account to monitoring the particular account details and report. It contains different user levels, for each user levels having different access. Administrator only can modify facilities for change password and other modification facilities. User creation facilities and modification facilities only have administrator.

**Responsibilities:**

* As a web developer to gather the requirements and analysis, involved screen and database designing.
* Involved in the creating interactive UI and complex databases design and coding using Classic ASP.
* Provided production support during warranty period for the application maintenance and troubleshooting issues.
* Environment: Classic ASP, Java Script, VB Script, HTML & SQL Server 2000