

# Riddhi Sawant

## SQL Developer

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### PROFESSIONAL SUMMARY

- 7 years of experience as SQL developer working in the domain of Database designing, Data modelling and Analysis, and Business Intelligence using SQL Server management (SSMS), MS SQL Server Analysis Services, Reporting Services, Integration Services, and Power BI.
- Experienced in all phases of SDLC including requirement gathering, analysis, design, coding and testing, expertise in integration.
- Expertise in Data Modeling and multi-dimension modeling techniques Kimball, Inmon methodologies, star schema, snowflakes schema.
- Good knowledge throughout database development for both OLTP (batch processing and online processing) and OLAP Systems (SSRS, SSIS and SSAS) using SQL Server
- Experience with SQL Server and T-SQL in constructing Tables, Triggers, User Defined Functions, Views, Indexes, User Profiles, Relational Database Models, Data Dictionaries and Data Integrity.
- Extensive experience in the development of Reports using SQL Server Reporting Services (SSRS) such as Tabular Reports, Matrix Reports, Cascading parameters, drill down reports and scorecards in multiple formats using multi – dimensional objects.
- Experience in Configure and maintain Report Manager and Report Server for SSRS, Deployed and Scheduled the Reports in Report Manager.
- Hands on experience with performing various SSIS data transformations & data flow tasks like Look-ups, Merge, Merge Join, Sort, Derived Column, Union-All, Conditional Splits and Event Handlers, Sequence / For Each Loop containers, control Flow Task, Execute SQL Task, Script Task, Send Mail Task, File System Task etc.
- Experience in developing complex ETL Packages using Integration Services to load data from various sources like flat files/Oracle/SQL Server to Staging Database and then to Customer Data Warehouse.
- Hands on experience in Performance Tuning in SSIS packages by using Row Transformations, Block and Unblock Transformations.
- Experience in developing OLAP Cubes by using SQL Server Analysis Services (SSAS), and defined data sources, data source views, Dimensions, Measures, Hierarchies, Attributes, Calculations using multi-dimensional expression (MDX), Perspectives and Roles.
- Expertise with scheduling and monitoring jobs using SQL Server Agent to perform hourly/daily/monthly data loads.
- Proficiency in integrating, migrating, converting and cleansing data using SQL Server Integration Services (SSIS).
- Experienced in creating configurations files, Logging and Error handling using Event Handlers in SSIS.
- Expertise in generating reports using Crystal Reports, SQL server Reporting Services (SSRS), Power BI, Tableau, Deploying and Scheduling reports on report server.
- Strong Ability to work independently or as part of a team to accomplish critical business objectives as well as good decision-making skill under high pressure complex scenarios.
- Self-motivated, willingness and ability to learn new technologies rapidly.

**Education:** MS in Information Systems, Bachelor of Engineering in Information Technology

### Technical Skills:

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Operating Systems	Windows Server, Unix, Linux
Programming Languages	T-SQL, PL/SQL, Dynamic SQL, MDX, C#, Python
RDBMS/Databases	MS SQL Server 2012/14/17/19, Databricks
Tools/ Database Utilities	SQL Server Management Studio, SQL Server Enterprise Manager, SQL Server Profiler, Import& Export Wizard, Visual Studio .NET, Microsoft Management Console, Business Intelligence Development Studio (BIDS), Toad, Business Objects, Crystal Reports 9.0 Web Services, XML, SOAP, WSDL, Jupyter Notebooks, Jira, Git, Azure Devops

BI Tools	Power BI, SQL Server Reporting Services (SSRS), SQL Server Integration Services (SSIS), SQL Server Analytical Services (SSAS), Data Transformation Services (DTS), Visual Studio, BIDS, Tableau
Application Packages	MS Office, Microsoft SharePoint Server (MOSS)

## WORK EXPERIENCE:

**City Year, Boston, MA**

**Dec 2022 to Till date**

**BI Developer**

**Responsibilities**

### Developing Dashboards for group of schools for multiple personas

- Conducted user interviews, surveys in 1-1 and focused groups to understand the motivations, pain points, and important metrics for three different groups of users: Managers, CorpMembers, and Students.
- Developed user journey map and stories for all three user personas.
- Verified and aligned the requirements with all the stakeholders before development.
- Developed mock wireframes to get early user feedback on reports and metrics.
- Designed Power BI dashboards with metrics, tables, charts, and drill through capabilities for attendance data across the City Year groups.
- Developed the required SQL views to support PowerBI reports in Databricks backend.
- Conducted manual and automated testing before publishing reports to production.
- Attendance reports provided managers insights into performance of CorpGroups and individual student progress with notifications of high default risk students.
- CorpMembers could easily dissect data of the students under their responsibility.
- Individual students were able to monitor and track their progress on a daily basis with positive metrics supporting their journey

**Genesis Financial Solutions, Portland, OR**

**Feb 2021 to Nov 2022**

**SQL Developer**

**Responsibilities**

### Data migration from SQL server to Databricks

- Created SQL equivalent Databricks tables with Databricks specific data types via automated scripts.
- Lead the development of stored procedures and SSIS packages to synchronize SQL tables with Databricks tables
- Unit tested all the procedures and moved the code from development to production.
- Used Azure devops.
- Used Databricks deployment in Azure for migration of data.

### Data transfer using Change Tracking

- Implemented change tracking in SQL Server and developed Insert, Update and Delete procedures to transfer data in incremental updates to Databricks tables.
- Added custom logic to do incremental updates for special tables where change tracking could not be enabled.
- Debugged SSIS packages by understanding and updating XML code where packages had disappeared from the UI.

### Reporting and dashboards in PowerBI and Databricks

- Implemented Power BI reports for stakeholders. Convinced the business users to move from Excel to PowerBI dashboards for daily tracking, updates, and alerts.
- Developed Databricks code using pyspark sql and jupyter for generating financial payments due reports in text files as required by the business
- Created and scheduled jobs to generate reports on a daily basis.

### Data Model updated and redesign

- Designed stored procedures for implementing business logic of handling purchase, refund, adjustment, chargeback transaction.
- Created stored procedures to parse API XML response from Equifax and populate multiple tables.
- Performed manual data validation to ensure data integrity and test accuracy of procedures.

**Eversana, Milwaukee, WI**

**Aug 2018 to Jan 2021**

## **SQL Developer**

### **Responsibilities**

#### **Stabilized, optimized, and improved existing architecture**

- Reduced the **server** load by 40 % and the execution time by 60% of the **SSIS** package by replacing truncate reload to incremental load. Refactored, evaluated and tested 100's of **SQL** procedures using RedGate.
- Performed validation testing, unit testing, and integration testing on all the **SSIS** packages. Moved the ETL stack through Dev, Staging, and Production environments.

#### **Migrated from Cognos to Power BI on Azure **Cloud** for cost effective solutions**

- Designed real time dashboards using rest APIs for displaying on 12 large screens at the shipment warehouse which increased efficiency of ground operation teams in inventory planning and shipments delivery.
- Developed reports with row level security and custom DAX measures to satisfy business needs for Inventory, Orders, Shipments, and Sales reports
- Established Power BI Gateways to keep the dashboards and reports up to date.
- Deployed and made the reports available via Web clients and mobile apps.

#### **Redesigned the schema data models for enabling migration of self-service and ad-hoc reports to Power BI.**

- Participated in requirements meetings and data mapping sessions to understand business needs and documented requirements in Business Requirements Document (BRD)
- Migrated on-prem data to Azure **cloud** using Integration services (**SSIS**)
- Designed and developed schema for data models. Updated and maintained logical and physical model using Toad Modelling while adding structure to the data for supporting future reporting requirements. Used Azure Devops, and Git for source control, and jira for sprint planning throughout the projects.

## **Logic Works, Princeton, NJ**

**Aug 2017 to June 2018**

## **SQL Server Developer**

### **Responsibilities**

- Used Microsoft BI stack (**SQL**, **SSIS**, **SSRS**, **SSAS**, Power BI) and other enterprise tools to build and support solutions as part of the continuous development and maturation of the Enterprise Data Services team.
- Participated in requirement gathering sessions with internal and external stakeholders and convert business / functional requirements into technical solutions, with the help of use cases, designs, flowcharts, models, specifications, and reports.
- Gathered business requirements for SAP reporting and functionality enhancements
- Created, insert, update and delete triggers on some tables in order to capture any DML activities happening on some crucial and confidential data.
- Improved Performance by creating Clustered and Non-clustered Indexes and by optimizing the T-**SQL** statements using **SQL** profiler.
- Designed and developed Enterprise data mart using appropriate data schema and multiple schematics including star, snowflake, and 3rd NF in appropriate use cases.
- Perform data integration within diverse RDMS specifically **SQL Server**, DB2 using **SSIS**, and other ETL tools by designing ETL pipelines, developing and deploying **SSIS** packages on MS **SQL Server** 2016. Leveraged stored procedures to handle complex data loading operations.
- Created **SSIS** package to load data from XML Files and **SQL Server** 2008 to **SQL Server** 2012 by using Lookup, Fuzzy Lookup, Derived Columns, Condition Split, Term Extraction, Aggregate, Pivot Transformation, and Slowly Changing Dimensions.
- Expert to develop fact and dimension tables from stored procedures and **SQL** script and ability to design and develop dimensional models and the supporting ETL
- Scheduled Jobs for executing the stored **SSIS** packages which were developed to update the database on Daily basis using **SQL Server** Agent.
- Developed insightful Reports for business users in **SSRS**, Power BI and tableau using **SQL Server** tables and SSAS cubes. Design database queries, views, stored procedures and functions for reporting and data analytics using MS **SQL Server**
- Created Drill Down, Drill through, linked and sub reports using **SSRS** and resolved issues and errors in **SSRS** for errors generated.
- Scheduled the monthly/weekly/daily reports to run automatically onto the Dashboard.

**Environment:** SQL Server Enterprise Edition, T-SQL, SQL Server R2 Management Studio, Microsoft Share Point, SSIS, SSRS, SSAS.

**Farrel Corporation, Ansonia, CT**

**Jan 2017 to Jul 2017**

**SQL Server Developer**

**Responsibilities**

- Worked on various ETL packages with different data sources and then loaded the data into destination tables by performing various kinds of transformations using SSIS/DTS packages.
- Created complex stored procedures, Triggers, Functions, Indexes, Tables, Views and SQL joins for applications.
- Worked on error handling using TRY and CATCH blocks and performance tuning using counters in SSIS.
- Used highly complex T-SQL Queries and SQL Scripts to perform efficient data load based on complex Business rules.
- Worked on creating complex SSIS packages using control and data flow elements.
- Analyzed massive data sets, performing ad-hoc analysis and data manipulation.
- Designed and developed different reports like Matrix and Tabular reports, Cascaded, Parameterized, drill down reports and pie chart reports using SQL Server Reporting Services (SSRS) as per the business requirements in time restricted environment.
- Well-versed in using multi-dimensional expression (MDX) queries, mathematical formulas, and user-defined functions for developing Reports from Multi-Dimensional OLAP Cubes.
- Deployed and generated reports on to the server using the Reporting Services Report Manager.
- Expert in creating Power pivots, Power views and SSRS reports using tabular model (DAX), Cubes (MDX) and SQL queries.
- Deployed and uploaded the SSRS reports to SharePoint Server for the end users and involved in enhancements and modifications.
- Responsible to create dimensions with the cube wizard, refreshing cube to get the latest date updates, deployment of cubes to the production server.
- Developed stored procedures to transform the data from enterprise data warehouse to data mart to build dimensions and load data to fact tables.
- Database and Log Backups & Restoration, Backup Strategies, Scheduling Backups. Backing up master & system databases and restoring them when necessary.
- Created complex Stored Procedures, Triggers, Cursors, Tables and other SQL Joins and Statements for Applications by using T-SQL and management of linked servers to Non-SQL-Server databases.

**Environment:** SQL Server, SSIS, SSRS, SSAS, Visual Studio, MS Excel, T-SQL, C#, SQL, Informatica, Tableau, Power BI, MS Visio, VB Script, Window, Team Foundation Server.

**Rockwell Corporation, Pune, India**

**Oct 2015 to Aug 2016**

**SQL Server Developer**

**Responsibilities**

- Experience in data warehouse modeling, creation and maintenance of, DataMart, DataCube, data dimensioning and fact tables maintenance;
- Created SSIS packages using conditional split, Derived column, data validation checks during Staging, before loading the data into data warehouse.
- Created stored procedure for merge operation for avoiding the duplicate entry of data into the data warehouse.
- Deployed SSIS packages in SQL Server using integration catalog services and schedule jobs for timely execution of the packages using SQL server agent.
- Carried out data transformation using SSDT and keep all the data into the Enterprise data warehouse of the company.
- Carried out data transformation using SSDT and keep all the data into the Enterprise data warehouse of the company.
- Gathered all the historical data from the enterprise data warehouse to create the reports using SQL server reporting services, Power BI, Tableau.
- Based on customer credit history and transactions which they make, generated ad hoc reports in power BI.

- Designed and implemented a variety of **SSRS** reports such as Parameterized, Drilldown, Ad hoc and Sub-reports using Report Designer and Report Builder for Reviewing the capitalization levels vs. minimum levels
- Created Time Dimensions on OLAP Cubes using SSAS.
- Created the structure of the model and cube in SSAS and reviewed Cube with end user and changed the cube and documentation according to their requirements.
- Scheduled the reports to run on a daily and weekly basis in Report Manager and then provided them to the analysts to review in Excel Spread Sheet
- Designed and implemented a variety of **SSRS** reports such as Parameterized, Drilldown, Ad hoc and Sub-reports using Report Designer and Report Builder for Reviewing the capitalization levels vs. minimum levels
- Created the structure of the model and cube in SSAS and reviewed Cube with end user and changed the cube and documentation according to their requirements.

**Environment:** **SQL Server**, **SSIS**, **SSRS**, Visual Studio, Windows, Team Foundation **Server** (TFS), XML, HTML

# Riddhi Sawant

- Edison, NJ, US

## Contact Information

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## Work History

Total Work Experience: 9 years

- **Bi Developer City Year, Boston, MA**  
Dec 01, 2022
- **SQL Developer Genesis Financial Solutions, Portland, OR**  
Feb 01, 2021
- **SQL Developer Eversana, Milwaukee, WI**  
Aug 01, 2018
- **SQL Server Developer Logic Works, Princeton, NJ**  
Aug 01, 2017
- **SQL Server Developer Farrel Corporation, Ansonia, CT**  
Jan 01, 2017
- **SQL Server Developer Rockwell Corporation, Pune, India**  
Oct 01, 2015

## Skills

- **business intelligence** - 5 years
- **reporting** - 5 years
- **business requirements** - 4 years

- **dashboard** - 4 years
- **sql** - 4 years
- **production** - 3 years
- **microsoft ssis** - 4 years
- **microsoft sql server** - 3 years
- **stored procedures** - 3 years
- **ad hoc reporting** - 2 years
- **cubes** - 2 years
- **data marts** - 2 years
- **data modeling** - 2 years
- **dimensional modeling** - 2 years
- **etl** - 2 years
- **microsoft ssas** - 2 years
- **microsoft ssrs** - 2 years
- **modeling** - 2 years
- **tableau** - 2 years
- **transformation** - 2 years

## Work Preferences

- Desired Work Settings: No Preference
- Likely to Switch: False
- Willing to Relocate: True
- Travel Preference: 75%
- Work Authorization:
  - US
- Work Documents:
  - Have H1 Visa
- Security Clearance: True
- Third Party: True
- Employment Type:
  - Contract - Corp-to-Corp

## Profile Sources

- Dice: <https://www.dice.com/employer/talent/profile/ea9e7aaba41bba6a23f8cbf3f6ac46cd>