**Priyalochani **

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***Power BI Developer/Analyst***

**SUMMARY**

* Over 11+years of experience in IT Sector with8+ **Power BI Developer/Analyst** strong analytical skills in Development with BI Tools **Power BI,** and technical implementation with MS **SQL server database**
* Project Lead cross-functional teams with business, technological, and financial components.
* Extensive in a Retail, Manufacture with a strong understanding of data & analytics.
* Expertise in performance improvement and data modeling on Power BI and SQL Server SQL Quires
* Expert in developing, maintaining, and supporting operational reports, dashboards, and scorecards using Microsoft **Power BI** (Power Pivot, SQL, Excel pivot tables, Power Pivots, **Power BI,** DAX).
* Working extensively on Data Model, Architecture design and SQL server.
* Hands on experience in dealing with Relational Database Management Systems, including**Stored Procedures, Constraints, Querying, Joins, Keys, Indexes, Data Import/Export, Triggers and Cursors, Normalization**
* Extensive experience with **T-SQL** in constructing Triggers, Tables, implementing stored Procedures, Functions, Views, User Profiles, Data Dictionaries and Data Integrity.
* Strong skills in Data Modelling, Report Design and Visualizations and Power BI Visuals including Tree Map, Funnel, Line Chart with Map Reports and Stacked Reports in **Power BI Desktop.**
* Expertise in leading large complex IT Projects and Process Improvement Initiative, Transportation, Manufacturing, Energy, Oil & Gas, Pipeline & Utilities companies.
* Experience in building the **Azure Cloud Databases and transferring data to Azure using SSIS**
* Created hierarchies in **Power BI** reports using visualizations like Bar chart, Line chart, etc.
* Published reports to Azure-based **Power BI services (Pro**) and schedule subscription and various sharing options (workspace, content pack, and Apps)
* Developed various kinds of reports using line chart, Bar chart, Bullet Charts, KPI's, Multi row cards, Stacked column Charts in the **Power BI Desktop**.
* Extensive knowledge in reporting objects like **Hierarchies, filters, DAX fields, Groups, Parameters** etc., in **Power BI Desktop.**
* Expertise in writing **T-SQL Queries, Dynamic-queries, sub-queries and complex joins for generating Complex Stored Procedures, Triggers, User-defined Functions, Views and Cursors**.
* Meritoriously fostered strong client relationships with Oil & Gas, Pipeline, Exploration, Financial, and ETF (Exchange-Traded Fund) MLP executives through daily communication, problem solving, and austere dedication to the project plan.
* Experience in building **Data Integration, Workflow Solutions and Extract, Transform, and Load (ETL)**solutions for data warehousing using **SQL Server Integration** Service (SSIS).
* Developed complex **SQL queries** using stored procedures, common table expressions (CTEs), temporary table to support **Power BI andSSRS reports**.
* Used incremental approach in the Workflows and Data Flows to integrate source data into warehouse tables using required transformations.
* Conversant with all phase of **Software Development Life Cycle (SDLC).**
* Good Experience working and implementing processes in different bussiness domains like Finance and Mortgages

**CERTIFICATIONS**

* Exploring Power BI - Advanced
* Basics of Data Analysis Expression - DAX
* Data Analyst Professional Certificate

Coursera

* Microsoft Certified: Azure Fundamentals

Microsoft

## TECHNICAL SKILLS

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| --- | --- |
| OLAP/Reporting Tools | (SSRS), MDX, Power BI |
| Relational Databases | SQL Server 2016/2014/2012/2008R2, MS Access, SQL Server Azure |
| ETL Tools | SQL Server Integration Services (SSIS), SQL Server DTS |
| Other Tools | Microsoft Office 2003/2007/2010 and 2013, Power pivot. |
| SQL Server Tools | SQL server Management Studio, Microsoft Visual Studio 2010/2013/2015 |
| Programming languages | C, SQL, PL/SQL, T-SQL, Python |
| Data Modeling | Physical and Logical Data Modeling |
| Data Warehousing & BI | Star Schema, Snowflake schema, Facts and Dimensions tables |
| Operating Systems | Windows XP/Vista/7/8 and 10; Windows 2003/2008R2/2012 Servers |

## PROFESSIONAL EXPERIENCE

## Infosys, Atlanta GA June 2022- Till Date

## Power BI Developer/Analyst

* Analyzing and understanding the business requirements.
* Development of **SSIS** packages that loads data from a different source system into a staging environment and then performed transformations on data for cleansing and modification.
* Extracted data from sources and transformed the data using different transformations like Data Conversion, **Derived Columns, Lookup, Conditional Split, Aggregate, Union all, Merge Join and Multi Cast Transformations.**
* Build and Deployed packages to **SQL server** and Scheduling Packages for Intra Day and End of Day execution.
* Developed Silverlight GIS Application using ESRI Arc Gis server platform for Oil & Gas Pipeline company.
* Created Cubes using S**SAS** and process cubes to store data in **OLAP databases.**
* Design and developed **Tabular cube** model for **Power BI dashboards**.
* Created **DAX** calculations in **SSAS** Tabular cube.
* Implemented **Row level security** in **Tabular model.**
* Created Time series calculation using Calculation groups in Tabular model.
* Imported data from **SQL Server DB, Azure SQL DB** to **Power BI** to generate reports.
* Deployed **Tabular model** to Azure Analysis services and created Jobs to automate **SSAS Tabular** models.
* Developed the **SSRS reports** in the form of **Table, Matrix and Chart** using **SQL Server 2012 Reporting Services.**
* Architected/Developed Systems for one of the top Gas Pipeline & Power company, providing natural gas customer and Commodity Traders with valuable pipeline information as well as automation of the gas transmission process including nomination, capacity release, confirmation, invoicing, contracts, and deals.
* Implementing **Power BI dashboards** using **DAX queries.**
* Designed Different Types of reports like **Drill Down, Sub Rep**orts and Parameterized Reports.
* Develop stored procedures, tables, indexes, views and any other needed database objects to support ETL.
* Used DTS/SSIS and **T-SQL** stored procedures to transfer data from OLTP databases to staging area and finally transfer into data marts and performed action in XML
* Worked **on SQL Server performance tuning**.
* Developing automated and near real-time **Power BI dashboards** and reports.
* Developing Data Models within **Power BI and** developing variety of visualizations based on use case.
* Used various sources to pull data into Power BI such as SQL Server, excel, cloud, SQL Azure, etc
* Developing enterprise level KPIs and trends for executives which included a paginated report sourcing **KPIs** from multiple Power BI Datasets which worked as a Daily Report.
* Developing **Power BI data flows** and datasets by applying transformations in **Power Query** to implement **the ETL steps** within **Power BI Stack** were **ETL** resources are unavailable.
* Developing several datasets with incremental load in **Power BI** and used **XMLA** end points to refresh the partitions for heavy data loads exceeding 10 GB in size.

**Environment: SSIS, SSRS, SSAS, Mobile Dashboards, Azure,SQL Server and Power BI Dashboard**

**Kroger, Columbus OH Oct 2018-June 2022**

**Power BI Developer/Data Analyst**

**Responsibilities**

* Created different visualizations using slicers, **lines, pies, histograms, maps, scatters, bullets, heats maps, tree maps, etc.**
* Integrated custom visuals based on business requirements using **Power BI Desktop**.
* Developed complex calculated measures using **Data analysis Expression language (DAX).**
* Creating different types of user-defined functions using **T-SQL.**
* Developed parameterized reports, drill down, Drill through reports, sub reports as per report specifications and functionality.
* Development of hierarchies, dimensions, attributes, properties, calculation and allocation routines for delivering the **desired KPI’s** using **Power BI**
* Worked with Metadata-Driven Packages to pull the data from different sources and loaded them to the Data Mart.
* Connecting the reports to different Data sources that are residing **On-Premises and Azure Data Sources**.
* Developing **Power BI Reports, ad-hoc reports** using **Report Designer.**
* Used advanced features of **T-SQL** in order to design and tune **T-SQL** to interface with the Database and other applications in the most efficient manner and created stored Procedures for the business logic using **T-SQL**.
* Generating several types of drill down and drill through reports using **Power BI Desktop**.
* Developing complex reports using multiple data providers, global variables, expressions, user-defined objects, aggregate-aware objects, charts, and synchronized queries.
* Designing and implementing parameterized and cascading-parameterized reports using **Power BI.**
* Developing, publishing customized interactive reports and dashboards, report scheduling using **Power B**I
* Generated interactive web sharing dashboards with simple drag and drop options.
* Worked extensively on trend lines, statistics, dual axis, groups and sets to develop detailed level of summary reports.

**Environment: MS SQL Server 2012, SQL Server Integration Services (SSIS), SQL Server Analysis Services (SSAS), Azure,Visual Studio 2010, MS Excel, Windows XP, SQL Server Reporting Services** (**SSRS**)**.**

**Charter Communications, Worcester MA March 2016- Sep 2018**

**Data Analyst/BI Developer**

**Responsibilities**

* Developed **SSIS** packages for extract/load/transformation of source data into data warehouse/OLAP cubes as per the functional/technical design and conforming to the data mapping/transforming rules.
* Designed **SSIS** Packages to transfer data from flat files to **SQL** Server using Business Intelligence Development Studio.
* Extensively used SSIS transformations such as **Lookup, Derived column, Data conversion, Aggregate, Conditional split, SQL task, Script task** and **Send Mail task** etc.
* Performed data cleansing, enrichment, mapping tasks and automated data validation processes to ensure meaningful and accurate data was reported efficiently.
* Developed free-form reports using **SSRS** for consolidating multiple reports into single report delivered in .pdf format to the power users.
* Wrote conversion scripts using **SQL, PL/SQL**, stored procedures, functions and packages to migrate data from SQL server database to **Oracle database.**
* Performed Database Administration of all database objects including **Tables, Clusters, Indexes, Views, Sequences Packages and Procedures.**
* Developed parameterized reports, **drill down, drill through reports**, **sub reports** as per the report specifications and functionality.
* Implemented complex business logic through **T-SQL stored procedures, Functions, Views** and **advance query concepts**.
* Created databases and schema objects including tables, **indexes** and applied **constraints**, connected various applications to the database and written functions, stored procedures and triggers.
* Provided valuable suggestions to users in terms of database design and new application implementation to overcome existing performance and reliability issues.
* Performance tuned long running lengthy SSRS reports and optimized rendering time by 10 times of the actual time.
* Integrated Custom Visuals based on business requirements using **Power BI desktop**.
* Developed complex SQL queries using stored procedures, common table expressions (CTEs), temporary table to support **Power BI** and SSRS reports.
* Developed complex calculated measures using **Data Analysis Expression language (DAX).**
* Embedded **Power BI** reports on SharePoint portal page and also managed access of reports and data for individual users using Roles.
* Successfully redesigned and migrated complex applications from Access to SharePoint and SQL Server 2008 by evaluating database structures and data movements.
* Performed performance tuning and optimization of SQL queries to improve query performance and to reduce runtime.
* Extensively worked on enhancements and performance issues of the existing data import processes.
* Developed Multi-dimensional, OLAP cubes as per the specifications using SQL Server Data Tools. Participated in the design, development of **hierarchies, dimensions, attributes, properties, calculation** and allocation routines for delivering the desired KPI’s in the Cubes.

**Environment: MS SQL Server 2008R2/2012/2014, SSIS, SSRS, Management Studio, Visual**

**Studio, Windows 7, MS Office 2010/2013, Windows Server 2008 and Windows Server 2008 R2,Power BI Desktop, Power BI Service.**

## Banca Sella, Chennai , India June 2012- Jan 2016

## SQL Developer

## Responsibilities

* Requirements gathering from Business users to perform technical design, development, and testing.
* Worked extensively in writing and **debugging complex stored procedures, views, triggers**, and user-defined functions.
* Designed the Data warehouse and done the mappings from Source to the Target tables.
* Created views and Stored Procedures for generating report. Responsible for creating the reports based on the requirements.
* Wrote complex SQL queries to extract, transform, and load data from various sources, reducing data processing time by **25%**.
* Conducted performance tuning tasks, optimizing database performance by implementing indexing strategies and query optimization techniques.
* Created and maintained **stored procedures, functions, and triggers** to automate data manipulation tasks and enforce data integrity, resulting in a **15% reduction** in manual data entry errors.
* Collaborated with cross-functional teams, including software developers and data analysts, to understand their database requirements and ensure smooth integration with application systems.
* Maintained documentation for database schemas and code, making it accessible for team members and aiding in seamless knowledge transfer.
* Developed **ETL** processes for **data integration, cleaning, and transformation, reducing data** processing time by 30%.
* Assisted in database testing and quality assurance, creating test data and scenarios that improved data accuracy and reduced application errors by **25%.**
* Automated routine database tasks using scripts and scheduling tools, streamlining data maintenance processes, and reducing manual effort by **40%**.
* Assisted in handling escalating billing issues and propagating bug fixes in productionenvironment.
* Scheduled reports for daily, weekly, monthly reports for executives, Business analyst andcustomerrepresentatives for various categories based on businessneeds.

**Environment**: SQL Server 2008R2, DTS, SQL Server Management Studio, SSIS, SSRS, SQL

Server Business Intelligence Development Studio (BIDS), SQL Server Query Analyzer.

**EDUCATION**

**Bachelor of Engineering - BE in Computer Science**

**M.A.M. College of Engineering • 06/2008 - 06/2012**