***Vijay Kumar***

***Sr. Power BI Developer / MSBI Developer***

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**Summary**

* **10+** years of professional IT experience in developing and designing Business Intelligence solutions utilizing **Power BI** and **SQL Server.**
* Extensive experience in **Power BI** on how to import, shape, and transform data for business **intelligence (BI), Visualize data**, author reports, schedule automated refresh of reports and create and share dashboards based on reports in **Power BI desktop**
* Experience in Power BI to design Interactive Reports using Power Query, Power Pivot and Power View.
* Experience in implementing physical data model (**Databases, Schema Tables, Views & Virtual Data Warehouse)**
* Experience in relational database design, SQL queries like **Joins**, **stored procedures**, **views.**
* Experience in Creating, Maintaining & scheduling various reports in **Power BI like Tabular Reports**.
* Extract and analyse data using **Power Query, PivotTables, MS Excel, Power BI and SSRS**
* Experience in Publishing **Power BI** reports from Power BI desktop to Power BI service.
* Created different visualizations in **Power BI** according to the requirements.
* Performed data cleaning, data validation, and data analysis using data analysis expressions (DAX), power query and power Pivot.
* Published reports to Azure-based **Power BI services (Pro**) and schedule subscription and various sharing options (workspace, content pack, and Apps).
* Proficient in using Tabular Editor 3 to enhance and optimize data models in Power BI.
* Excellent hands-on experience in groups, hierarchies, and measures, **KPIs**.
* Proficient in applying transformation rules - **Data Conversion, Data Cleansing, Data Aggregation, Data Merging and Data splitting.**
* Expertise in **DAX** queries to get and better way to analyzing the data.
* Complete understanding in all facets of Software Development Life Cycle (SDLC).
* Proficient in writing complex DAX calculations in Power BI using Tabular Editor 3 to develop insightful measures and calculated columns.
* Extensive database programming experience in writing T-SQL, User Defined Functions, Triggers, Temporary Tables, Constraints and Indexes using various DDL and DML commands.
* Skilled in creating and developing BI Dashboards into rich look for better understanding.
* Experienced to generate underlying data for the reports and to export cleaned data from an Excel **Spreadsheet, Flat file, and CSV** files to the data warehouse.
* Good logical, analytical, interpersonal skills and commitment to perform quality work as well as an excellent team player.
* Experienced in connecting Power BI to various data sources and using Tabular Editor 3 for data transformation, cleaning, and shaping.
* Experience in working with ETL team on Data Migration using SQL, SQL Azure, Azure storage, Azure Data Factory, SSIS and PowerShell
* Worked with ETL team in Defining the transformation logic in the ELT (Azure Data factory) and SSIS
* Created custom expressions and scripts in Tabular Editor 3 to add specialized calculations or data transformations to Power BI models.
* Strong knowledge of data warehousing methodologies and Agile methodology.
* Involved in creating different visualizations using Slicers, Lines, Pies, Histograms, Maps, Scatter, Bullets, Heat Maps, Tree maps, etc. using Power BI and Tableau.
* Generated context filters and data source filters while handling large volume of data.
* Involved in creating Filters, quick filters, table calculations, calculated measures and parameters in Power BI.
* Have good experience in creating advanced chart types, visualizations and complex calculations to manipulate the data as per business need through Power BI.
* Experience in utilizing DAX functions which includes Aggregation, Counting, Logical, information, Text and date functions.
* Experienced in Supporting end-user reporting using Power BI.
* Expert in creating different visualizations using **Slicers, Lines, Pies, Maps, Scatter, Bullets**, Treemaps, etc. using **Power BI**.
* Connecting to data sources, importing data and transforming data for Business Intelligence.
* Extensively worked with clients to understand business requirements, recommended technical solutions and documented functional requirements.
* Implement functionality of existing systems Ability to work in-groups as well as independently with minimal supervision.
* Managed **Power BI** Portal - Data refreshes / User management and set up gateway data refresh.
* Having the ability to work closely with the team to ensure the timely delivery of business requirements.

**Technical Skills**

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| --- | --- |
| **Reporting BI Tools** | Power BI Desktop 2.6, Power BI Service, Power BI Gateway, Power BI Report Server, Tableau Desktop 8.x/9.3 Tableau Server, SQL server reporting services (SSRS), SQL Server Analysis Services (SSAS). |
| **Databases** | MS SQL Server 2016/2018, Oracle9i/10g/11g, MySQL, MS Access, Snowflake |
| **Web Technologies** | HTML, Java Script |
| **Operating Systems** | Windows 2012/2016/2018 R2, UNIX. |
| **Scripting Languages** | SQL, PL/SQL, T-SQL, VB Script |
| **Other Tools** | TOAD, Oracle SQL developer, MS Office, FTP, Control-M, Teradata View Point, Teradata SQL Assistant, Rally, JIRA, GitHub, JSON, MS Excel. |

**Professional Experience**

**Mayo Clinic - Rochester, MN January, 2022 – Till date**

**Sr. Power BI Developer / MSBI Developer**

**Client Description**:Mayo Clinic is a nonprofit organization academic medical center based in Rochester, Minnesota, with sites in Jacksonville, FL, and Scottsdale/Phoenix, AZ. It also serves over 70 communities through Mayo Clinic Health System with locations in MN, IA, GA, and WI. Collectively, these locations care for more than 1 million people each year. The project mainly focuses on applying high order analytics, reporting and business expertise to the Mayo Clinic's Department of Education. Assists with creating business insights through world class analytical tools and approaches. Identifies insights on educational practices, learners, faculty, financial performance, accreditation requirements, operations, and use of departmental resources.

**Responsibilities**

* Translate business logic into dashboards, charts, reports, and presentations in support of Sales & Marketing department.
* Imported data from **SQL Server DB, Azure SQL DB** to **Power BI** to generate reports.Designing Microsoft power BI dashboards and managing the **power BI** gateways with a focus on usability, performance, flexibility, testability, and standardization.
* Designing **OTLP, OLAP** databases and creating **ET**L packages, tabular models, and dashboards.
* Installed and Configured Enterprise Gateway and Personal Gateway in Power Bi Services.
* Using **Power BI, Power Pivot** to develop data analysis prototype, and used Power View a Power Map to visualize reports available in Web clients and mobile apps.
* Utilizing **Power BI (Power Pivot/View**) to design multiple scorecards and dashboards to display information required by different departments and upper-level management.
* Implemented several **DAX** functions for various fact calculations for efficient data visualization in **Power BI.**
* Designed **SSAS Cube** and developed **MDX** queries for Analysis.
* Document steps needed to migrate database objects between environments including Development, **UAT,** Staging and production
* Meet with business for defined requirements of the project.
* Provide production support of existing **ETL** process and develop cross validation rules to ensure mapping accuracy for newly added business rules.
* Proficient in leveraging automation features within Tabular Editor 3 for batch processing tasks, reducing manual effort and streamlining model development in Power BI.
* Developing **SQL** queries or use available data profiling applications to perform data analysis based on the business requirement and created data profiling report for data discovery.
* Developing new data integration and support existing dataset for BI teams.
* Creating SSIS jobs and scheduled packages using **SQL** Server management studio
* Supporting Maintenance of **ETL** process
* Used Z-order to overlap the reports on each other using Power BI.
* Used Power BI, Power Pivot to develop data analysis prototype, and used Power View and Power Map to visualize reports.
* Developed efficient relationships and hierarchies within Power BI data models using Tabular Editor 3, providing an accurate representation of business logic.
* Experienced in connecting Power BI to various data sources and utilizing Tabular Editor 3 for data transformation, cleansing, and modeling to deliver meaningful insights.
* Create and customize simple visualizations, Combination charts, Slicers, Map visualizations, Matrixes and tables, Scatter charts, Waterfall and funnel charts, Gauges and single-number cards.
* Published Power BI Reports in the required originations and Made Power BI Dashboards available in Web clients.
* Created multiple data model and used as a common data source for the reporting purpose.
* Used Power BI Gateways to keep the dashboards and reports up to date.
* In Power BI developed reports by different time intelligence like year to data (YTD), Month to date (MTD), same period last year.
* Applying common transformations such as aggregate, data conversion, conditional split, lookup, merge, and sorter transformations
* Responsible for migrating folders or mappings and sessions from development server to test environment.
* Working with **Data Architects, DBAs**, and Business Intelligence teams in designing and support end-to-end data solutions across multiple platforms.
* Improving **ETL** performance applying best practices

**Environment:** MS SQL Server 2016/2014/2012, SSIS, Shell Scripting, SQL, T-SQL, PL/SQL, Oracle, MS Word, MS, Excel, UNIX, Windows OS, Azure

**JP Morgan and Chase - Plano, Tx May, 2020 – December, 2021**

**Sr. Power BI Developer / MSBI Developer**

**Client Description:** JPMorgan Chase & Co is a financial service provider providing global investment banking, asset management, treasury, and other services that is headquartered in [New York](https://golden.com/wiki/New_York-G5J) City, New York and was founded in 1823. According to the firm’s website (as of November 2019), JPMorgan Chase & Co has approximately $2.6 trillion in assets, has presence in 100 markets, and more than 250,000 employees. The firm actively conducts research related to household spending & income, small business, healthcare, household debt, cities & local communities, financial markets, and labor markets.

**Responsibilities**

* Expertise in Data Cleansing using **Power Query** in Power BI Desktop Editor.
* Worked on all type of transformations those are available in power bi query editor.
* Wrote DAX expressions to create new measures, calculations per business requirements.
* Effectively used data blending, filters, actions, and hierarchies feature in Power BI.
* Published the developed dashboard, reports on the Power BI Services so that the end-users can view the data.
* Participated in the configuration of an on-premises Power BI gateway to refresh datasets of Power BI reports and dashboards.
* Hands-on expertise in SQL reporting, development, analytics, or BI.
* Created **Tables, Views, SQL joins** and defined roles and privileges to implement business rules and control access to database.
* Scheduled Automatic refresh and scheduling refresh in power bi service.
* Wrote standard & complex **T-SQL Queries** to perform data validation and graph validation to make sure test results matched back to expected results based on business requirements.
* Wrote complex SQL queries in database Access and created various **joins (inner, outer joins**) to fetch the desired output for **Data Analysis**.
* Used various sources to pull data into Power BI such as SQL Server, excel, cloud, SQL Azure, etc.
* Created **Power BI Visualizations** and **Dashboards** as per the requirements.
* Wrote **DAX Expressions, Power Query, Functions** in Power BI.
* Used **DAX (Data Analysis Expressions) functions** for the creation of calculations and measures in the Tabular Models.
* Created effective reports using visualizations such as **Bar chart, Clustered Column Chart, Waterfall Chart, Gauge, Pie Chart, Tree map, kpi etc. in Power BI.**
* Designed and developed various complex reports such as **Drill down, Drill Through, Cross Tabbed using MS Reporting Services.**
* Strong experience on connecting various Data Sources in Power BI.
* Created various **data modeling in Power BI** and linking the tables using various dimensions.
* Developed and maintained multiple Power BI dashboards/reports and content packs.
* Wrote calculated columns, Measures query’s in power bi desktop to show good data analysis techniques.
* Used **Power BI Power Pivot** to develop data analysis prototype and used **Power View** and **Power Map** to visualize reports.
* Creating, maintaining the users, roles and granting privileges.
* Designed, developed reports and Dashboard Reports in Power BI Desktop and published to Power BI Web and working Power BI Pro.
* Solid experience in building interactive reports, dashboards, and/or integrating modeling results and have strong Data Visualization design skills and analytic background by using POWER BI
* Used Power BI tool to perform previously Excel done reporting to save time and energy.
* Worked on various types of DAX functions like Date and time functions, Time-intelligence functions, Filter functions, Information functions, Logical functions Math and Trig functions, Parent and Child functions, Statistical functions and text functions.
* Created graphical dashboards and reports in Power BI.
* Performed Row level Security to limit access to certain group or individuals.
* Experience in configuring security, Organizational Content Packs, data Gateways, refresh schedules for Power BI service.
* Installation of Power BI desktop, version upgradation and patches installation in client computers

**Environment:** Power BI Desktop, Power BI Service, Power BI Data Gateway, DAX, T-SQL, SQL Profiler, MS Excel, Windows 10, MS SQL Server 2018, Snowflake, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), Azure, Windows 2012/2018 R2 Server.

**State Farm Insurance Atlanta, GA January, 2019 – April, 2020**

**Power BI Developer**

**Client Description:** This Company is well known for providing insurance and financial services in the United States. One of the Web Application CIQ involves the design and development of a Web based internet application to provide online insurance services. The web application provides functionalities such as Internet Insurance Quote for Customers and Agents. The customer can access complete account information, policy information, and receive instant auto insurance quotes and report a claim.

**Responsibilities**

* Designed, developed, and tested solutions for business user specified requirements to achieve desired business results.
* Participated in the daily standup with business teams to resolve the business issues and Data challenges.
* Hands-on experience in the design, development of end user applications for the data presentation and analytics, including scorecards, dashboards, reports, monitors, and graphic presentation (Information Visualization &Analysis) using **POWER BI**.
* Experience using formula languages such as **Data Analysis Expressions (DAX).**
* Create reports in **Power BI Desktop** and Service utilizing the connectors and content pack.
* Expertise in creating reports from importing, Direct Query and Live data from several data sources.
* Expertise in data transformations such as adding calculated columns, manage relationships, create different measures, remove rows, replace values, split column, Date & Time Column, etc.
* Configure data intake using Query and its formula **language, ‘M’.**
* Created different reports in **Power BI Desktop** and publish to Power BI online.
* Skilled at querying relational databases (**SQL**) and ability to pull data from various sources.
* Imported data from different data source to create Power BI reports and dashboards.
* Utilized **Power BI (Power View**) to create various analytics dashboards that depicts critical KPI along with slicers and dicers enabling end -user make filters.
* Created reports like Drill-Down, Drill-Through, Chart, Sub Reports Bar charts, Line charts, Pie charts, etc.
* Working extensively building **Power BI Dashboards** with quick insights into **KPIs** and Advance analysis actions, Calculations, Parameters, Maps and Scatter plots, heat maps, setting alerts.

**Environment:** Microsoft Power BI, SQL Server, Excel, MS Visual Studio, Windows 2008

**Walgreens, Chicago, IL August, 2017 – December, 2018**

**Power BI Developer**

**Client Description:** Walgreens is an American pharmacy store which is specialized in filling prescriptions, health and wellness products, health information and photo services. It is the second largest pharmaceutical store in the country serving many members across the country. Its purpose is to champion everyone’s right to be happy and healthy. To achieve this mission and purpose, Walgreens is focusing on better serving customers.

**Responsibilities**

* Involved in design, development, data analysis, identifying and gathering business requirements, user testing and maintenance of BI applications and information systems including database management systems **MS SQL Server.**
* Designed and developed Data models to connect all the incoming/onboarded funds.
* Developed and executed **ETL** Packages using **SQL Server** Agent/**SSIS** to migrate the incoming transactional data from various systems into the **Datawarehouse.**
* Maintain/check for data consistency in Cascade suite.
* Create SSRS reports and upload them into Cascade to be previewed by the fund accountants.
* Convert Microsoft access Databases to **SQL server** databases for Trade Capture Application.
* Extensive use of GIT for code check-in and Confluence for documenting the workflow process.
* Extensive data modelling in SSAS to create cubes for efficient reporting.
* Extract data from Various internal API’s/Databases into **PowerBI**and create data models to be used by different financial teams.
* Setup Data gateways for on premises data servers Implement row level security to keep report access to specific users in the organization.
* Setup **Power BI** report server which can be used for paginated (existing SSRS reports) and new PBI reports.
* Develop Data models for the real estate team for efficient data visualization in **Power BI**.
* Implemented **Power BI** gateway to keep Dashboards and reports up to date with on-premise data sources.

**Environment:** MS SQL Server 2008, SSIS, SSRS, SSMS, Visual Studio 2013, Power pivot, T-SQL, Power BI, MS TFS, JIRA, VB.Net

**Visa – Austin, Tx April, 2015 – July, 2017**

**Power BI Developer**

**Client Description:**Visa Inc (Visa) is a global digital payment technology company that serves individual and commercial clients, financial institutions, government entities, and merchants. It facilitates global e-commerce through digital payments and information.

**Responsibilities**

* Gathered report requirements and determined the best solution to provide the results in either a Reporting Services report or Power BI. Cloud computing with AWS.
* Installed and configured Power BI Desktop.
* Created Power BI Visualizations and Dashboards as per the requirements.
* Created effective reports using visualizations such as Bar chart, Clustered Column Chart, Waterfall Chart, Gauge, Pie Chart, Tree map etc. in Power BI.
* Designed and developed SSIS Packages (.dtsx files) to import and export data from MS Excel, SQL Server 2012 and Flat files.
* Writing complex SQL Queries, Stored Procedures, Triggers, Views, Cursors and User Defined Functions to implement the business logic.
* Created SSIS packages to integrate the data coming from flat files
* Migrated SSIS Packages from during data migration.
* Optimized queries by looking at Execution Plan for better tuning of the database.
* Used Temp Tables to reduce the number of rows for joins, to aggregate data from different sources for different reports.
* Designed and developed various complex reports such as Drill down, Drill Through, Cross Tabbed using MS Reporting Services.
* Created SSIS packages for loading data from SAP BW/BI to SQL Server.
* Performed database backup and deployment to the production server.
* Involved in modifying existing DataStage Jobs for better performance.
* Created detail Technical documentation of various staging area operations for future reference and guidance.
* Created reports using stored procedure. Involved in scheduling, creating snapshots and subscriptions for the reports (SSRS 2008/20012).
* Installation and configuration of SQL Server Reporting Services (SSRS) 2008/2012
* Created reports using stored procedure. Involved in scheduling, creating snapshots and subscriptions for the reports (SSRS 2008/2012).
* Involved in Normalization and De-Normalization of existing tables for faster query retrieval
* Involved in SIT (System Integration Testing) and UAT testing, bug fixing and documentation for the project.
* Designed STAR, SNOWFLAKE Schemas.

**Environment:** MS SQL Server 2016/2014, MS SQL Server Integration Services (SSIS), MS SQL Server Analysis Services (SSAS), Salesforce, Intacct, Power BI Desktop, Power BI Service, Data Gateway, DAX, T SQL, SQL Profiler, XMLA, MS Excel, Excess, Windows 8.

**HDFC Bank, Hyderabad, India March, 2013 – March, 2015**

**Power BI Developer**

**Responsibilities**

* Gathered report requirements and determined the best solution to provide the results in either a Reporting Services report or Power BI.
* Installed and configured Power BI Desktop.
* Created Power BI Visualizations and Dashboards as per the requirements.
* Created effective reports using visualizations such as Bar chart, Clustered Column Chart, Waterfall Chart, Gauge, Pie Chart, Tree map etc. in Power BI.
* Writing complex SQL Queries, Stored Procedures, Triggers, Views, Cursors and User Defined Functions to implement the business logic.
* Optimized queries by looking at Execution Plan for better tuning of the database.
* Used Temp Tables to reduce the number of rows for joins, to aggregate data from different sources for different reports.
* Performed database backup and deployment to the production server.
* Created detail Technical documentation of various staging area operations for future reference and guidance.
* Involved in Normalization and De-Normalization of existing tables for faster query retrieval
* Involved in SIT (System Integration Testing) and UAT testing, bug fixing and documentation for the project.
* Designed STAR, SNOWFLAKE Schemas.

**Environment:** Oracle 11g, MS SQL Server 2016/2014, Power BI Desktop, Power BI Service, Data Gateway, DAX, T SQL, SQL, MS Excel, Windows 8.

**Education:**

Bachelor of Technology (CSE) from JNTU, Hyderabad, India

Master of Technology (CSE) from OU, Hyderabad, India