**Deepak Koganti**

**BI developer/ Data Analyst / Business intelligence**

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**Professional Summary:**

* Over 8+ years of professional experience in **Software Design, Database design,** **Business Analysis, Data Analysis, Data Visualization, Data Governance, and Business Intelligence**.
* Data Enthusiast with broad experience in IT and Data Technology oriented solutions with extensive knowledge of **Cleansing, Preparation and Data Modelling.**
* Adept at **collecting**, **analyzing** and **interpreting large datasets** to create visual insights and predictive models to meet the task requirements with creative problem solving and communication skills.
* Experience in communicating with stakeholders, Subject Matter Experts (SMEs), and end - users to understand the requirements, visualize and validate.
* Experience in understanding of Microsoft development suite SQL Server Integration Services(**SSIS)** and SQL Server Analysis Services (**SSAS)**, as well as familiarity with standard data extract, cleansing, integration, and aggregation techniques and best practices.
* Managing relationship between tables in Power BI using **star schema**.
* Responsible for building reports in Power BI from the Scratch and responsible for creating and changing the visualizations in **Power BI** **reports** and **Dashboards** on client requests.
* Proficiency in different visualization in the reports using custom visuals like **Bar Charts, Pie Charts, Line Charts, Cards, Slicers, Maps** etc. Also, using different transformation inside Power Edit Query into clean-up the data.
* Hands-on experience in utilizing **DAX** functions which includes Aggregation, Counting, Logical, Information, Text and Date functions, Table Functions and Time Intelligence Functions.
* Hands on experience in designing and deploying rich graphic visualizations with **Drill Down** and **Dropdown** menu option and Parameterized dashboards using Power BI.
* Experience in creating **Filters, quick filters, table calculations, calculated measures and parameters** in Power BI.
* Working with table and matrix visuals, worked with different level of filters like report level, visual level filters, page level filters.
* Extensively used **RDBMS** like Oracle and SQL Server for developing different applications.
* Expertise in Microsoft Integration Services like SSIS (**Control Flow tasks, Data Flow tasks, Transformations, Database administration tasks).**
* [Extensive experience in creating complex **SSIS packages, creating jobs, Alerts** and schedule SSIS Packages using SQL Agent, migrating the data from legacy system to SQL using SSIS.](https://www.hireitpeople.com/)
* Experience in creating and managing workspaces in **Power BI Admin Portal and assigning RLS to users.**
* Experience in developing Power BI reports and dashboards from multiple data sources using **data blending**.
* Created stored procedures for generating reports using **SQL Server Reporting Services** (SSRS), **Crystal Reports.**
* Designed and developed **OLAP Cubes with star schema and Dimensions using SSAS.**
* Querying and manipulating multidimensional cube data through **MDX Scripting**.
* Expertise in performance tuning of Power BI reports by following best practices in source data like **data blending, custom SQL, Data Modelling, Power Query etc.**
* Experienced and fully engaged in **Software Development Life Cycle (SDLC)** like **Agile** and **Waterfall** which includes gathering and analyzing business requirements, functional/technical specifications, designing, developing, testing, deploying the applications and providing production support.
* Experienced in creating and implementing visual **KPI** reporting tool for forward operations team leading to increased awareness of metrics.
* Strong skills in **Data Cleaning, Data Processing, Data Extraction & Visualization** with large datasets of structured and unstructured data and Advanced Statistical Modelling, Correlation, Multivariate Analysis and ETL methodologies using SQL for validating and retrieving data.
* Created Static and Dynamic **Row-Level-Security** in Power BI desktop and assigned roles to users via service.
* Use various transformations such as an **Aggregator, Sorter, Filter, Normalizer, SQL Transformation, Lookup, Joiner** to design ETL mappings to ensure optimized queries in ETL process.
* Used **SSRS** to create reports, customized Reports, on-demand reports, ad-hoc reports and involved in analyzing multi-dimensional reports in SSRS.
* Extensively used **performance monitor/SQL** pro to solve **dead locks/long running queries**.
* Experienced in generating underlying data for the reports and to export cleaned data from an Excel **Spreadsheet, Flat file, and CSV** files to the data warehouse.
* Extracted data from data warehouse server by developing complex SQL statements using stored- procedures and common table expressions (CTEs) to support report building.
* Working with table and matrix visuals, worked with different level of filters like report level, visual level filters, page level filters.
* Generating context filters and data source filters while managing large volume of data using Power BI.
* A polished communicator, with good analytical and inter-personnel skills and versatile team player.

**Technical Skills:**

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| **Reporting Tools** | Power BI Desktop, SAP Business Objects, Power BI Service, Power BI  Gateway, Power BI Report Server, Tableau Desktop, Tableau Server,  SQL server reporting services (SSRS), SQL Server Analysis  Services (SSAS). |
| **Databases** | MS SQL, Oracle EBS, Oracle SQL, SSIS, SSRS, SSMS, Visual Studio, Performance Monitor, Mongo DB |
| **Workflow Tools** | MS-Project, MS-VISIO, MS-Excel, MS-Word, MS–PowerPoint |
| **Visualization Tools** | Power BI, Tableau Desktop, Alteryx, Qlik-view, Google Data Studio |
| **Cloud Technologies** | Azure and Power BI service |
| **Scripting Languages** | SQL, PL/SQL, T-SQL, Python |
| **Methodologies** | Software Development Life Cycle, Agile, Waterfall, Data Modeling, MS Project |

**Professional Experience:**

**Client: NXP semiconductors, Austin, Tx November 2021 – till date**

**Role: BI developer**

* Involved in various phases of **Software Development Life Cycle (SDLC)** using Agile Methodology and followed Scrum sessions.
* 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.
* Imported data to Power BI from multiple sources like **SQL server, MySQL, Oracle, Excel, CSV, JSON, XML, Web URL, Azure SQL Database** **and Azure Analysis** Services Database by using different storage modes in Power BI.
* Expertise in data transformations such as adding calculated columns, manage relationships, create different measures, remove rows, replace values, split column, Date & Time Column, etc.
* Data Mapping, logical data modelling, created class diagrams and ER diagrams and used SQL queries to filter data within the SQL database.
* 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.
* Data cleaning of Flatfiles, Google Analytics and SharePoint data in Python using Pandas and Numpy libraries and exporting into database.
* Collected the Plants Data in Excel sheets from different Regions around the World and combined them in **Power BI** to know the **Loss and Pro** the of the Product.
* Performed ETL on multiple platforms such as SAP and Teradata, familiarized with Legacy, SAP and other backend environments to pull the data to Data Wearhouse
* Used BOXI (**Business Objects**) for creating reports for Legacy Systems.
* Mapped the data in different systems and Documented them, IBM Lotus Notes is mostly used for mapping the Legacy Systems and Customer Feedback Resolution.
* Performed Queries, maintained and extracted Data from Teradata, cleaning and maintaining the Production Environment in Teradata for the performance.

**Environment:  Microsoft Power BI, SQL Server, Excel, MS Visual Studio, Teradata, Business Objects, SAP, Microsoft Office Suite (Word, PowerPoint, Excel)**

**Client: McKesson, Dallas, Tx July 2018 – Oct 2021**

**Role: BI Developer**

* Participated in daily scrum meeting with team to discuss the challenges and development of the project.
* Involved in **requirement gathering from business users** and IT teams to understand and express business process and business logic.
* Extracted data for reporting from multiple data sources like **SQL Server, SQL Server Analysis, Service, Azure SQL Database, Azure SQL Data Warehouse, Salesforce**, etc.
* Extracted data from data warehouse server by developing complex SQL statements using stored- procedures and common table expressions (CTEs) to support report building.
* Created **PowerPivot models and PowerPivot reports, publish reports** onto SharePoint, and deploy models into SQL Server SSAS instance.
* Assisted in creating **SQL database maintenance logs** and presenting any issues to the database architects.
* [**Worked on Power BI reports using multiple types of visualizations including line charts, doughnut charts, tables, matrix, KPI, scatter plots, box plots,** etc.](https://www.hireitpeople.com/)
* **Created SSIS packages for ETL processes** by using controlflow and dataflow components, Maintained and tuned performance for slowly running SSIS packages
* Implemented report integration among Power BI, Tableau, SSRS and Python reports
* Utilized Power BI features like data blending, filters, actions, and hierarchies effectively.
* Applied hands-on expertise in **SQL reporting, development, analytics, and BI**.
* Developed complex reports including Drill Down and Cross Tabbed in MS Reporting Services.
* Developed and maintained Power BI **dashboards, reports, and content packs**.
* Configured an on-premises Power BI gateway to enable dataset refreshes in reports and dashboards, and published dashboards and reports on Power BI Services for end-user accessible.
* Utilized various **data sources** (**SQL Server, Excel, Cloud, SQL Azure**) for data extraction in Power BI.
* Created **SQL objects** (Tables, Views), implemented joins, and defined roles for access control.
* Wrote standard and complex **T-SQL** queries for data and graph validation.
* **Created Stored Procedures, Functions, SQL joins and T-SQL Queries** to implement business rules and created data sets required for Power BI reports. Also used Azure data cubes data to import data to Power BI.
* Developed graphical dashboards and implemented row-level security in Power BI.
* Applied various **DAX functions** for date, time, filter, logical, statistical, and text operations.
* Utilized **Power BI Power Pivot** for data analysis prototypes and visualizations.
* For increased productivity, migrated Excel reports to Power BI and designed, published, and showcased reports and dashboards in Power BI Desktop and Web.
* Developed **DAX expressions** for creating custom measures and calculations based on business requirements.
* Implemented various transformations available in Power BI Query Editor.
* Proficient in **Data Cleansing using Power Query** within Power BI Desktop Editor.
* Utilized Power BI Power Pivot for data analysis prototypes and visualizations.
* Handled **Power BI desktop installation, version upgrades, and patches in client computers**.
* Managed users, roles, and privileges for security in Power BI.
* Configured security, organizational content packs, data gateways, and refresh schedules in Power BI service.

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

**Cognizant Technological Solutions, Chennai, IN**

**Role: Associate Nov 2016 – May 2018**

* Worked on requirements gathering from the clients and estimation of efforts including analysis of existing system and analysis of data.
* Created Visualizations using **Slicers, Lines, Pies, Histograms, Maps, Scatter,** etc.
* Designed our own filter panel stack with button to filter down the pages in the Reports.
* Expertise in **Data Modeling** in Power BI designer using **bi-directional and single directional** filtering between fact and dimension tables.
* Created **Static and Dynamic** Row-Level-Security in Power Bi desktop and assigned roles to users via service.
* Created and generated computed tables and columns using **DAX Queries** in Power BI.
* Experience in creating **KPI Score cards** to see the latest numbers on the Dashboards.
* Used Power BI, Power Pivot to develop data analysis prototype, and used Power View and Power Map to visualize reports.
* Created Chameleon Interfaces and used embedded links in the PowerBI reports for the **drill through** capability.
* Used multiple transformations provided by **SSIS** such as **Data Conversion, Derived Column, Lookup, Conditional Split, Bulk Insert, Merge and union** all, etc
* Passing the filter and generating a URL Filter to export the Dashboard Details page.
* Using **Query Editor** in Power BI performed certain operations like fetching data from different file.
* Working with import and direct query, creating calculated columns and measures in Power BI.
* **Merge Queries** and **Append Queries**, remove columns and split columns, choosing required columns in the data.
* Published Power BI Reports in the required originations and Made Power BI Dashboards available in Web clients and mobile apps.
* Embedded PowerBI reports in SharePoint Web by using single sign on access to the Sales Analysts.
* Experience in implementing PowerApps visualizations in PowerBI Reports to use the **Write Back Feature to change the Numbers in the Database.**
* Executed, Enhanced Data compare and Data Validation for testing purposes and to maintain data integrity and store only relevant data per Business requirements.
* Written **Use-Cases for testing** as per the requirements and demonstrated the UI to the end users.
* Installed Snowflake and Netezza connector to install ODBC driver and connected to Power BI Desktop to import data.
* Used Common Data Model to support the Structural and semantic consistency across applications and deployments.
* Explore data in a variety of ways and across multiple visualizations using Power BI.
* Used Power BI Gateways to keep the dashboards and reports up to date.
* Installed and Configured Enterprise Gateway and Personal Gateway in Power BI Services.
* Created **Metrics, Prompts, Filters, Custom Groups and Transformations** for the report development.
* Created ad-hoc reports in **Grid & Graph** mode consisting of data analysis by combining a template with filters using MicroStrategy desktop and web.
* Extensively used report services to create dashboards to create summary level reports using multiple datasets.
* Used several new controls for dashboards like time series slider, radio buttons and dropdown menus for the Flash version of the dashboards.
* Knowledge in Software Development Life Cycle (SDLC) methodologies like Agile and Waterfall along with a thorough understanding of various phases like Requirements, Analysis, Design, Development and Testing.
* **Worked extensively with the compliance officer to finalize the dashboard layouts** and also worked on fine detail formatting for a desired look and feel.
* Created and published intelligent cubes **leveraging reports to access cubes** instead of warehouse to get faster results.
* Enabled Dynamic Sourcing for projects to make use of Intelligent Cubes to achieve performance for reporting.

**Environment: MicroStrategy,10.7 Desktop Reports, Web Intelligence Reports, OLAP Services, Architect, Administration, Dashboards, Power BI desktop, Power BI Report Server, PowerBI Service.**

**Coforge, Chennai, IN Aug 2015 – Nov 2016**

**Role: BI Developer**

* Developed SQL Server Stored procedures and DTS packages for efficient data extraction.
* Created complex ETL Packages using SQL Server Integration Services (SSIS) for comprehensive data loading.
* Worked on formatting SSRS reports, enhancing report models for ad-hoc reporting needs.
* Developed ETL jobs in Talend, including performance tuning and migration tasks.
* Utilized Pandas for effective data manipulation in both time series and tabular formats.
* Configured Power BI Report Server for SSRS, creating and deploying paginated reports.
* Installed and configured Power BI Gateways to ensure automatic refresh of dashboards and reports.
* Worked on Key Performance Indicators (**KPIs**), star schema, and snowflake schema in SQL Server Analysis Services (**SSAS**).
* Implemented **data marts, facts, dimensions, star schema, and OLAP cubes in SSAS** for robust data analysis.
* Designed and implemented complex **SSIS** packages for seamless data migration and analysis.
* Improved performance through the implementation of Clustered and Non-Clustered Indexes.
* Optimized T-SQL statements using tools like SQL Profiler and Query Analyzer in **MS SQL Server**.
* Created rich Power BI visualizations and **DAX queries** to meet specific business requirements.
* Installed and configured Power BI Gateways to ensure automatic refresh of dashboards and reports.
* Worked on the design of Key Performance Indicators (**KPIs**), star schema, and snowflake schema in SQL Server Analysis Services (**SSAS**).

**Environment*:* SQL Server Enterprise Edition, Power BI Premium, Power BI Embedded, SSIS, SSRS, Tableau, MS Access, Visual Studio.**