

# **POWER BI DEVELOPER**

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2 years Experienced

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## **EXPERIENCE SUMMARY**

### **Microsoft POWER BI**

- Experienced Data Analyst in Power BI Dashboards & reports in HRMS, Sales, Manufacturing & FMCG.
- Worked as an individual contributor and maintain good relationship with business stake holders.
- Familiar with relevant data extractions from MS SQL, Table Storage, SharePoint List and Flat files.
- Fetching data from various flat files such as Excels, CSV, text files in Power BI and then doing data cleaning such as converting datatypes, renaming columns, filtering etc.
- M Query language was used to transform data in dataflow and different transformation used such as append and merge effectively.
- Worked on migration of SAPBOBJ to Paginated reports using Power BI Report Builder.
- Extract-Transform-Load (ETL) is done at Power Query Editor.
- Final datasets were loaded from dataflow to Power BI desktop through different dataset modes such as Import mode, Direct Query mode and Composite mode.
- Build relationships between fact and dimensional datasets using star schema.
- Different Data Analysis Expressions (DAX) functions used to create custom tables/columns and Measures such as CALCULATE, FILTER, MAX, SELECTCOLUMNS, DATE, BLANK, ISBLANK, COUNTROWS, DATESBETWEEN, NOW, ALL, FORMAT, SWITCH, LEFT, DISTINCT, GROUPBY, DATATABLE, CALENDAR, CONTAINS, LOOKUPVALUE, WEEKDAY, ALLEXCEPT, ALLSELECTED, SELECTEDVALUE, TOTALYTD, TOTALMTD, RELATED etc.
- Measures were created efficiently to store aggregated results.
- Power Query Editor is used efficiently to extract date part from string data type while data received from Azure Table Storage using M Query language functions. Also, Power Query Editor is used for creating new columns or modifying existing columns, for example changing time zone to locale for Date/Time/Time zone data type columns while loading data from SharePoint list.
- Worked on creating various types of visuals in Power BI such as Stacked bar/column chart, Clustered bar/column chart, Line chart, Area chart, Waterfall chart, Table, Matrix, Funnel, Pie chart, Tree map, Gauge, Card, Multi-row card, KPI, Slicer, Word Cloud, Scatter chart etc.
- Bookmarks and Page Navigation used effectively. Optimized reports to reduce refresh time and data loading on visuals. Applied visual level and page level filters. Implemented drill through and drill down functions.
- Responsible for creating Workspaces as per the businesses. Add/Remove users from workspaces. Managing Build permission, reshare permission for underlying data. Granting access on workspace as well as dashboard level.
- Development of Apps from multiple reports with user access. Created multiple audiences as per requirement for the same app.
- Conducted user trainings on Power BI dashboard's functionalities, scope of dashboard and limitations of the Power BI.
- Expertise in working with Row-level security (RLS). Creating and managing different Roles for RLS as per BRD. Page Level Security implemented along with RLS.

## **PROJECT DETAILS**

- Working here as Team Leader, handling team of 6 members & progress of following work.

**1)SALES DASHBOARDS: (Optical Arc Pvt Ltd)**

- Used Power Query Editor to modify data, such as Merge, Append tables. Also, data loaded from Share point document and text files.
- Used different DAX functions such as ISFILTERED, SWITCH, CALCULATE, FILTER, ALL, SUM, IF, GROUPBY, FORMAT, LASTDATE, DIVIDE, BLANK.
- Implemented unit conversion in DAX- MT to KT, LBS to MT, USD to EUR
- Developed user guide on Power BI, conducted user trainings and developed technical docs.
- Used dynamic axis on column and scatter chart based on field selection from slicer. Created & managed roles for applying RLS.

**Sales Order Dashboard:** visualized open allocation vs. order intake by division, region and site office, day-to-day trend of order intake. Identified non-allocated sales orders.

**Market Report:** Calculated ICIS prices using fill up and fill down in power query. Merged global region data loaded from SharePoint. Visualized monthly trend of volume and premium. Qty., price, netback before & after marketing fees, local premium by division and sales office. Calculated current & previous month Volume & premium, same month last year & YTD last year volume & premium, YTD Volume, MOM% and YOY%.

**I/O Progress Report:** Provided allocation period slicer to current week by default. Applied different transformations – remove duplicate, sort rows, add index, concatenate dates, used fill up, fill down effectively, created date column from date range using Number. From, excluded specific sales orders using Left Anti join. Visualized allocation vs. order intake in Gauge chart, allocation vs. order intake by supply source, marketing manager and sales office. Matrix to show allocation & order qty. by vendor, division and sales group.

**Market Caps Index:** Identified the newly innovated products by its commercialization date which based on reporting date and crosses the pre-defined threshold of sales. Used EDM model for view creation and loaded dimensional tables direct to Power BI. Used column charts for visualizing percentage of revenue/volume/margin over the past 12 months has come from new products commercialized within past 1 year by division. Used line chart for percent of revenue/volume/margin generated over time, i.e. month on month trend by division. Used map chart for count of existing and new products by plant location. Implemented unit conversions in DAX used in slicers. Various DAX functions are used, VAR, SELECTEDVALUE, ALLSELECTED, IFERROR, CALCULATE, IF etc.

## **2) PAGINATED REPORT: (Optical Arc Pvt Ltd Pune)**

- On going work for migration of SAPBOBJ to Power BI paginated reports.
- Headers, Footers, Bookmarks, Parameters, page numbers, Page navigators,
- SQL query editing for mandatory and optional parameters.
- Workspace reports publications to Dev environments.
- Snowflake ODBC gateways.

## **➤ 3) HRMS DASHBOARD: (Company: Mapstechhub Technologies, Pune)**

- As a Power BI developer worked with HR team for extracting data from flat files and appending that data on MS SQL Server on monthly basis to maintain historical data. Loading data from database in Power BI desktop along with other flat files.
- Used Power Query Editor for transforming data such as creating custom columns, filtering data, selecting distinct rows etc from PostgreSQL database using ODBC. Amazon RDS used for CDC pipeline, AWS Lambda is used for scheduling PostgreSQL queries.
- Used SharePoint list instead of other excel files such as Exited rating, Future hires, HR Span, Part time data, Posh and Whistle blower data to fetch data in Power BI on monthly basis.
- Data from PostgreSQL and SharePoint list loaded in Power BI using Import mode.
- In Power Query Editor data type of Date/Time changed to locale time zone while loading data from SharePoint list.
- Using DAX functions such as CALCULATE, FORMAT, SWITCH, DATE, MONTH, YEAR, IF, RIGHT, CONCATENATE, GROUPBY custom columns were created. Used filtering functions such as

FILTER, ISBLANK, ALL, ALLSELECTED, ALLEXCEPT. Custom tables are created using SELECTCOLUMNS, DATATABLE, SUMMARIZE.

- Measures were created using DAX functions such as MAX, COUNT, SUM etc. to display the values on card. E.g. Curr. Month HC, Total Male/Female HC, Curr. Month Joined/Exited, Curr. Month Attrition %, % HC Change YTD, YTD Attrition %, Annualized Attrition % etc.
- Different types of selection controls are used such as Slicer, Chiclet Slicer. Drop down slicers used to filter out charts. Various types of charts are used to analyse the data such as Card, Clustered column chart, Line chart, Waterfall chart, Stacked column chart, Table, Matrix, Pie chart.
- Buttons, Text box, Shapes, Images are used effectively. Bookmarks, Page navigation are used efficiently
- Chart interactions are developed as per the business needs.
- Expertise on Managing relationship of data sets. Implemented RLS and Page level security.
- Generated Report Usage Metrics to analyse and share with business.

#### 4) TICKETS ANALYSIS DASHBOARDS (COMPANY: MAPSTECHHUB TECHNOLOGIES)

- Data for the tickets raised by employees from different businesses were stored on Azure
- Table Storage used for analyzing and creating different types of charts on Power BI.
- Power Query Editor used to load and transform the data such as extracting first ten characters of date/time string column from Azure data to convert it into date type for Date\_Created, Date\_Assigned and Date\_Closed columns. Various DAX functions used such as IF, ISBLANK, NOT, ABS, DATEDIFF, NOW, BLANK, CALCULATE, MIN, MAX, COUNT, ALLSELECTED, SWITCH, DAY, MONTH, YEAR, AVERAGE etc.
- Different visuals used such as Cards for displaying Total Tickets, Unassigned Tickets, Assigned Tickets, Closed Tickets, Average TAT, Used Treemap for showcasing Category wise closed tickets & Average TAT, Bar chart for Assigned & closed tickets by assignee, Average TAT of closed tickets by assignee, Line chart for DoD created tickets & closed tickets, WordCloud for Tickets' key characteristics.
- Calculated and displayed Aging of unassigned/assigned tickets from today, Time taken to assign tickets, Time taken to close tickets from assigned date accordingly age of tickets.
- Custom tables were created using DAX functions such as CALENDAR which was used to create a date table for the given financial years. Flags were created such as IsWorkingDay, IsHoliday to calculate TAT which excludes weekends and holidays using different DAX functions COUNTROWS, DATESBETWEEN. Dynamic colors were applied for each ticket's age bucketing in bar chart using custom column and Format by Field value.
- Used Slicer for date selection. Used drop down for filtering all charts. Worked on chart interactions. Worked on Drill through for all bar charts to display detailed data on new pages.
- Roles were created based on dashboard users for HR and IT departments. RLS as per Roles.
- Dashboard was scheduled for eight refreshments in one day under Power BI Pro license.

### EMPLOYMENT DETAILS & EDUCATIONAL DETAILS

Designation	Employer Name	Location	Duration
Power BI Developer	OPTICAL ARC PVT LTD	Pune	July 2023 – Till Date
Data Analyst	MAPSTECHHUB	Pune	July 2021 – Dec 2022
After Sales Consultant	PAUTO CONSULTANCIES	Pune	April 2018 – Mar 2020
QA & CS Engineer	KRAFTPOWERCON (I) PVT LTD	Pune	Aug 2011- Feb 2018
COURSE	UNIVERSITY	YEAR	SCORE
B TECH (ELECTRONICS)	NORTH MAHARASHTRA UNIVERSITY	2011	66%
HSC	AMRAVATI BOARD	2004	63%
SSC	AMRAVATI BOARD	2002	57%

#### Declaration:

I hereby declare that the information given is correct as per my belief.

PLACE: PUNE

**Vishwesh R Mahajan (9923311563)**