

## Power BI Development Responsibilities:

Working on a team to architect, develop, and deliver enterprise-scale, cloud data and analytics solutions

Interact with clients to discuss best practices and strategy for modern big data analytics

Integrate with data sources to build models and reports for business users

Being an integral part of high paced technical environment, my role requires to analyze and build all types of reports using Power BI.

Building reports and dashboards using Power BI.

Suggest better way of presenting charts, graphs, and tables with rich UI/UX.

Embedding of Power BI reports and dashboards into other applications.

Understanding of AWS stack with S3 storage and Redshift DB Agile methodology

Understanding with writing user stories and Sprint execution Power BI reporting stack understanding

Design and develop Power BI dashboards

Define visuals and key KPIs that enables speed to insight

Understand and translate statistics to address client business problems

Experienced in all aspects of Power BI, including establishing gateways, use of embedding, DAX

Hands-on experience deploying the PBI service to mid-market and/or enterprise scale organizations

Proficient designing and implementing data models and data integration

Ability to architect and design reporting solutions based on client needs

Understanding of the Microsoft technology stack (SSRS, Azure SQL Server Integration Services, Analysis Services, Tabular Reporting Services etc.)

Experience implementing REST API calls and authentication

Architect, design, and develop enterprise self-service analytic solutions, business intelligence reports, visualizations and best practice standards.

Work with report team to identify, design and implement a reporting user experience that is consistent and intuitive across environments, across report methods, defines security and meets usability and scalability best practices.

Identify business reporting and analytic needs by collaborating with end users, stakeholders and technology teams.

Provide report testing support and direction for the UAT and Quality teams.

Contributes to business intelligence competency best practices and implementation methodologies.

Experience in Data Gateway for data refreshing and content pack library in PowerBI.

Should be good in writing and applying DAX functions and measures in PowerBI.

Experience in creating dashboards, volume reports, operating summaries, and presentations and graphs.

Expert in publishing reports to app.powerbi.com and setting up the necessary connection details and scheduling.

Excellent knowledge connecting Microsoft Power BI Desktop to various data sources. SQL Server is desirable.

Experience in Custom Visuals and Groups Creation.

Experience in Managing Embed Codes is added advantage

Requirement gathering, data modeling, scripting, developing and testing dashboards.

Strong Knowledge on Power BI to import data from various sources such as SQL Server , Azure SQL DB , SQL Server Analysis Services , MS Excel etc.

Developing compelling and interactive analysis reports and dashboards.

Import data from SQL Server DB, Azure SQL DB to Power BI to generate reports.

Worked on all types of transformations that are available in Power BI query editor.

Generated computed tables in Power BI by using DAX.

Created reports using time intelligence calculations and functions.

Developing compelling and interactive analysis reports and dashboards

Explore data in a variety of ways and across multiple visualizations

Developing analysis reports and visualization using DAX functions like table function, aggregation function and iteration functions.

Involved in creating new stored procedures and optimizing existing queries and stored procedures.

Published Power BI Reports and Dashboards and made them available in Web clients and mobile apps

Used Power BI Gateways to keep the dashboards and reports up to date.

Scheduled Automatic refresh and scheduling refresh in Power BI service.

Should be able to work directly with clients to understand metrics to be developed, independently carry out metric analysis, data analysis, source the data from the source systems

Sound knowledge of DAX query, parameters, Standard time intelligence functions.

Implementing hierarchies

Bookmarks, drill-down, drill through features

Dynamic filtering

Extensive knowledge of Power BI app workspace and sharing concepts.

Expert knowledge using advanced calculations using MS Power BI Desktop (Aggregate, Date, Logical, String, Table)

Expert in publishing reports to app.powerbi.com and setting up the necessary connection details and scheduling

Excellent knowledge connecting Microsoft Power BI Desktop to various data sources.

Proficient at **data visualization using Power BI** and a strong application development

Good at **creating different visualizations using Slicers, Lines, Pies, Histograms, Maps, Scatter, Bullets, Heat Maps, Tree maps, etc.**

Designed, developed and implemented PowerBI reports and Dashboards

Create and administer App Workspaces to control permissions and access to PBI dashboard.

Partner with Customer Service DBAs to source necessary data, map source data to target structures, and define query methods.

Creating Mobile Layout for end users.

Publishing Reports into Power BI service and scheduling refresh.

Sharing Dashboards to users through Office 365, Content Pack.

Creating different visualization like bar charts, Maps, Drill through and drill- Down.

Experience in designing and building cubes using SSAS Tabular Model

Familiar to write the DAX queries, creating calculated measures, computed columns and table using DAX

### **MSBI + POWER BI:**

Query SSAS Models and develop reports and dashboards within Power BI and outside of Power BI for display on other web-based applications.

Use SSRS for generating scheduled and ad-hoc reports.

Updating the progress of development in JIRA.

Experience in Database Design and Integration with SQL Server.

Experience in designing and building complete ETL / SSIS / SSRS processes moving and transforming DATA LOGY.

Experience in Report Development using Microsoft SSRS/Power BI.

Proficient in how to deploy to and debug a production SSIS environment.

Leverage MS BI tools to answer questions, solve problems, and create reporting solutions.

### Data warehouse, Data Model, and database knowledge

Excellent RDBMS knowledge for development using SQL/T- SQL/PL SQL

Strong knowledge of Data warehouse implementation

Knowledge on Data-warehousing Concepts and Domain knowledge

Experience in Data Models, Data Cubes & Material views.

Understands and leverages a multi-layer semantic model to ensure scalability, durability, and supportability of the analytic solution.

Understands modern data warehouse concepts (real-time, cloud, Big Data) and how to enable such capabilities from a reporting and analytic stand-point.

Good understanding in Data warehouse Concepts like Star Schema, Snowflake Schema, Fact, Dimensions etc.

## Personal strengths

Strong initiative with the ability to work independently with less direction

Team-player excited to work in a fast-paced environment

Staying up-to-date on the latest technologies and best practices for the Microsoft modern data platform

Strong communication skills both oral written.

Should able to manage customer technical stakeholders.

Proven abilities to take initiative and be innovative.

Analytical mind with a problem-solving aptitude.

Presenting information through reports and visualization.

Interact with offshore and onshore clients to understand their business needs, analyze data and present results through reports and PPT presentation.

Develop quantitative analysis, dashboards, custom models and ad hoc reports to answer business problems.

Have to develop and publish ongoing and/or ad-hoc analysis and reports to the various business units.

Above all, you should be passionate about working with huge data sets and someone who loves to bring datasets together to answer business questions and drive change.

Understand and translate statistics to address client business problems

Interface with client to understand their problems and work with the delivery team on solutions that address the client needs

Develop & conceptualize sophisticated & innovative analytical solution and actionable insights with high client and business understanding

Provide high-end consulting to clients to help them sharpen their business strategy by implementing analytical models that support the realization of business objectives

Flexible to work in shifts for fulfilling reporting needs of customers in different Geos and Time zones. Should be a proactive individual contributor and team worker both.

### **Training and certifications**

Participate in technical study groups

Complete Microsoft certifications like MCSE: Data Management and Analytics

Certification in Azure Developer (AZ-203, AZ-900)

### **Life cycles used**

Well versed with Agile processing and methodologies.

Follow latest software engineering techniques including Agile and Lean development techniques which empowers you to contribute to your fullest potential

### **Gather Software requirements**

Elicit requirements from onsite team and customer team

Review User Stories and create software development tasks

Participate in daily project team huddles and attend daily calls with the onsite team and customer to understand business needs

### **Develop architecture design**

Develop iterative prototypes and analyze various upstream data sources

Prepare approach document based on the business needs

Identify design alternatives and conduct technical feasibility

Develop proof of concepts for technical evaluation and early customer feedback

Develop database schema and document other architectural dependencies for a reliable, scalable, and optimal solution

Develop algorithms to convert functional specifications into software design

### Application development using Microsoft SQL Server, SQL Server BI tools, Power BI, Microsoft Azure

Develop, maintain, and enhance unit test suites to verify the accuracy of ETL processes, dimensional data, OLAP cubes and various forms of BI content including reports, dashboards, and analytical models

Analyze the reports generated by the tools and incorporate the changes/ results

Conduct peer code reviews and external code reviews using Git and Visual Studio Online

Generate and deploy daily builds for verification and customer review

### Power BI Administrator:

Vinay Tech House

Power BI Architecture and Development

Manage different types of gateways

Managing Access to App Workspaces, Apps, and Content Packs Row-Level Security

Manage the Power BI tenant

Acquire and assign Power BI licenses

Manage Premium capacity

Manage Embedded capacity

Ensure compliance with internal policies, laws, and regulations

Manage Power BI resources

Provide help and support to tenant users

Manage data privacy and security, such as source data security

Manage Power BI mobile app deployment



Manage Power BI report server

Expert in Admin portal; Microsoft 365 admin; Azure AD

Knowledge of Administrative APIs and SDK is a plus

Choice of data import vs. direct connectivity

Monitoring of file sizes

Reuse of existing datasets

Knowledge of M Queries and DAX calculations

Restricting Sharing and Publishing & Export and Printing

### **SENIOR ROLES:**

Be the thought leader in the focus area, go to person for internal teams, generate knowledge sharing trends in the team, participate in developing white papers & share new trends in analytics with colleagues, evolve ones own opinion on the concepts

Ensure the consistency between the defined requirements, the implementation of the business logic at the database layer, and the users experience in interacting with that data

Work closely with BI, DW, and DB developers to understand, analyze, make solution recommendations and define alternate strategy for data design, ETL processes, and unit testing of data

Write relational and multidimensional database queries to validate the solution

Debug, monitor, and troubleshoot BI solutions

Verification Automation framework development using Selenium and other tools

## Azure Responsibilities:

Experience working in Microsoft Azure environment

Experience with Azure Data Factory ADF/ADF20

Configuring and operationalizing infrastructure in Azure

Good knowledge of different Azure services related to Data Engineering.

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Hands on experience in designing development of ETLs using Azure data factory

Know how to establish connections to different data sources such as Data Lake, web portals, database, Hadoop etc.

Familiar with all the transformations available in ADF such as copy, web, look ups, decision controls, iteration loops, data flow task etc. in order to perform ETL

Experience in scheduling and automating ADF pipelines

Good experience in data modelling data warehousing in Azure

Good experience in SQL Server database system and No-SQL databases knowledge

Able to design and develop stored procedures for Azure SQL

Strong experience in Azure data factory ETL Azure cloud.

Architect level experience in Azure cloud.

Hands on experience in data modelling data warehousing

Good experience in SQL Server database system

Implement CI/CD via Azure DevOps

Ingest data into a data lake from an Azure Service Bus

Create Databricks jobs to operationalize data flows

Schedule automatic refresh and scheduling refresh of AAS models

Write Ansible playbooks to deploy into Azure resources

Comfortable coding in Scala or Python

Familiarity and expertise with AWS and/or Azure clouds (IaaS-level knowledge).

Strong knowledge of HDInsight (Hadoop, Spark, Hive, Hbase) or Databricks

Hands-on experience in Azure Data Factory, Event Hub, Azure SQL, Azure Logic App

Good experience of Azure storage services such as Blob, Data Lake, Table Storage, Cosmos DB.

Good Knowledge of Azure power shell scripting for deploying resources

Good Knowledge of Code repository management using GitHub

Knowledge of Azure analysis services tabular and power BI

Awareness of multiple IaaS and PaaS offerings of leading public Cloud providers

### Azure Lead / Architect:

Having 8+ years of experience with minimum 2 years of BI / DW domain experience

Minimum 2-4 years of hands-on experience of developing BI / DW applications in MS Azure Cloud Platform

Leadership skills be able to provide technical guidance to Azure senior developers

Provide guidance on engineering methodologies, standards and best practices

Experience in architecting and designing technical Microsoft centric solutions using Azure IaaS, PaaS and SaaS capabilities.

Strong knowledge of HDInsight (Hadoop, Spark, Hive, Hbase) and Databricks (PySpark)

Hands-on experience in Azure Data Factory, Event Hub, Azure SQL, Azure Logic App

Good experience of Azure storage services such as Blob, Data Lake, SQL Data warehouse, Table Storage & Cosmos DB.

Knowledge of cloud security controls like tenant isolation, different type of encryption mechanism, Key management, Application firewall etc.

Good Knowledge of Azure power shell scripting for deploying resources

Good experience with configuration management tools such as GitHub

Experience with visualization tools like Power BI, Azure analysis services and Tableau.

## AZURE BI:

Good knowledge of the T-SQL, MDX, DAX Demonstrable development lifecycle understanding.

Sound Knowledge of data warehouse and business intelligence using the Microsoft technologies stack including SQL Server 2012/2016 RDBMS, SQL Server Analysis Services (SSAS), SSRS.

Sound Knowledge of Power BI reports.

Experience in design, development and tuning of OLAP, Tabular Cubes.

Good Understanding of Cube Processing and partitioning methods.

Ability to design develop and create dimension model and cube using SSAS

Ability to understand the source system and create the ETL Process.

Evaluate and improve existing BI systems.

Develop and execute database queries and conduct analyses.

Design, build and deploy BI solutions.

In-depth understanding of database management systems, online analytical processing (OLAP), Tabular Cube and ETL (Extract, transform, load) framework.

Familiarity with BI technologies Microsoft Power BI is preferred.

Knowledge of SQL queries, SQL Server Reporting Services (SSRS) and SQL Server Integration Services (SSIS).

Working Knowledge on:

Azure BI Stack

SQL Data Warehouses

Azure Data Lake Storage

Azure Databricks

Data Factory

Strong understanding of Azure environment and experience in working with Hybrid model

Working knowledge of setting up and running MS HDInsight

Project experience in Azure HDInsight Stack that involves components like HDInsight/Hortonworks (Pig, Hive, YARN, HBase), Azure Data Lake, Azure Data Factory, Azure SQL DWH, Azure Blob

Knowledge in Azure Power Shell scripting for deploying the Resources like Azure Storage, Hindsight cluster, Azure Data factory

Knowledge in Advanced analytics tools like Azure Machine Learning, Event Hubs and Azure Stream Analytics

Knowledge on Data Visualization tools PowerBI using Hindsight cluster

Comfortable doing feasibility analysis for any MS Bigdata UseCase

Open for Travel across countries for Sales, presales & Client interaction

Ability to build the competency for Microsoft HDInsight competency

Able to design and validate solution architecture as per the Enterprise Architecture

Able to do Code reviews as per organization's Best Practices.- Knowledge of SQL and noSql databases