**Durga Sai Prakash M**

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**Professional Summary:**

* Extensive experience in the **Microsoft Power Platform – PowerApps, MS Flow** and **Power BI**. Results-oriented software engineering professional with more than **9+years** of experience in field. Well-versed in promoting object-oriented approaches to real-time software development. Analytical and detail oriented.
* Having **9+ years** of experience as **SQL / Power BI developer** and **data analyst** with **Microsoft SQL** **Server 2016/2014/2012/2008 R2/2008/2005, SSIS/SSRS/SSAS**, **Azure, OLTP, OLAP** (Different environment such as Production, UAT, and development) and **Tableau**.
* Expertise with **Microsoft Power Platforms** (Power Apps, Power Automate, Power Virtual Agent, and Power BI) to create apps, automate processes, and create enterprise solutions.
* Skilled in utilizing inventive ways to system design and functionality with a thorough knowledge of **customization, configuration, integration**, and extension as well as limitations and restrictions.
* Use custom connectors or existing ones effectively to link various systems to **Power Platform apps**; suggest and direct the creation of **APIs** for applications without native connectors.
* Working knowledge of the **SDLC;** assistance in gathering, identifying, documenting, and shaping functional requirements for development; evaluation and remediation of security vulnerability findings in solutions.
* Advance data modeling using **DAX, power query/edit query** in **Power BI desktop**, and working with custom visuals.
* Troubleshoot and support all aspects relating to refresh schedules, **data, reports** and access for **Power BI reports** and **dashboards**.
* Worked with the technical team and business users to analyze business requirements and translate them into technical specifications for **ETL** and **reporting**.
* **Power BI Tools** – power bi desktop, power pivot, power query, power view, power map, power bi dashboard, Power Apps, Power Automate, Power Virtual Agent for calculated columns and calculated measures using **DAX, data modeling**.
* Experience on IT Service Management like **ITIL**.
* Generated complex **Transact SQL(T-SQL) queries**, Sub queries, Co-related **sub queries**, and **Dynamic** **SQL queries. Programming in SQL Server** - Using the Stored Procedures, **Triggers, User-defined** **functions** and **Views, Common table expressions** (CTEs).
* Excellent hands-on experience in groups, hierarchies, and measures, KPIs, well verse in creating DAX **(Data Analysis Expressions**) functions in creating **Power BI dashboards reports**.
* Build solution driven dashboards by developing different chart types including Crosstab’s., **Heat/Geo/Tree Maps, Pie/Bar Charts, Funnels, Line/Area Charts, Scatter Plots, Bullet Graphs, and Histograms in Power BI Pro**.
* Using **LCM** Built some new **Power BI reports** and **dashboards**.
* Hands on experience in Azure Development, worked on **Azure web application, App services, Azure** **storage**, **Azure SQL Database, Virtual machines, Fabric controller, Azure AD, Azure search**, and notification hub.
* Exported the data from Tableau. Depending on the data source, extracted data from database, export CSV files, or **Tableau** export functionality.
* Involves in understanding the scope of the migration, setting objectives, and defining a timeline for the project.
* Worked on **visualization,** **reports**, and **dashboards** that were previously in **Tableau** with PowerBI.
* Worked on identifying the **visualizations**, **data source**, and calculations used in **Tableau** and recreating them in **PowerBI**.
* Experience in managing and organizing data sets in **Google BigQuery**, ensuring data integrity and accessibility for various stakeholders.
* Imported the transformed data into **PowerB**I form **Tableau**, using the **PowerQuery** to shape and load data.
* Proficiency in extracting data from various source loading it into google BigQuery data sets efficiently.
* Expert in generating on-demand and scheduled reports for business analysis or management decisions using **SQL Servers** Reporting Services **(SSRS)** and **POWER BI**.
* Good knowledge of **Data Marts, Operational Data Store (ODS), OLAP, Dimensional Data Modeling** for FACT and Dimension Tables using **SQL Server Analysis Services**.
* Expert on **Microsoft Power BI** reports dashboards and publishing to the end-users for executive-level Business Decision.
* Customized Looker dashboard with filters, Parameters, and LookML code to provide a user friendly and tailored data exploration experience.
* Proficiency in utilizing Looker to analyze data, identify trends, and extract meaningful insights that contributed to business growth or process improvement.
* experience with exceptional skills in **Microsoft SharePoint**, **Power Apps, Power Automate, Power BI** and **SQL server.**
* Participate in setting agenda for **OBIEE** Upgrade with BI reporting, BI Admins, PM to set timelines to follow for the upgrade from **OBIEE** 11G – 12C.
* Solid experience with **Microsoft365 specially SharePoint online, Microsoft Team, Power Apps, Power BI, Power Automate, OneDrive** for business and Yammer Designed.

**Professional Experience:**

**Client: Guide One, Des Moines, Iowa Mar 2021 - Present**

**Sr Power BI, SQL Developer**

**Responsibilities:**

* Involved in creation of various **Business Intelligence/ Analytical Dashboards** utilising Power BI with global filters, calculated columns and measures using complex DAX calculations and transformations using Query Editor & Power Query Formula Language (M).
* Worked in **D365 HR** Project through which implemented the customisations through **PowerApps**, Power Automate and Power BI in an Internal Project.
* Created customisation using **Power Apps** and Microsoft flow to make W-4 forms which are used in US to Internal Revenue Service tax automated the process by filling the whole design in Users by Just sign in.
* Worked on **AML** and compliance application support.
* Worked on identifying the visualizations, data source, and calculations used in Tableau and recreating them in PowerBI.
* Optimizing report performance is crucial for a smooth user experience.
* Experience in extracting data from various sources using **Qlik ETL** scripts, including databases flat flies, API’s.
* Utilized **Qlik ETL** scripts to transform raw data into a structured format suitable for analysis.
* Designing in building data models in **Qlik** ensuring data integrity, relationships and optimized performance for reporting.
* Worked on maintaining **LCM reports** - enhancements to **Life Cycle** Management reports in **EBS**.
* Built new Power BI reports and dashboards in **LCM**.
* Created **conceptual, logical** and **physical data** models and entities for use in different business areas.
* Created Employees Portal by using **Power Apps.**
* uses understand **ITIL** Methodology to analyse and streamline existing business process and assist in creation of new business process.
* Ability to generate **QVD files**, which serves as optimized data sources for **Qlik** applications, improving data load and query performance.
* Expertise in implementing incremental data loading techniques using **Qlik ETL** scripts to efficiently update the **QVD** and keep them synchronized with the source data.
* Experience in scheduling and automating data synchronizing tasks using **Qlik ETL** scripts to keep Power BI report up to date .
* Designed **PowerBI reports** involves creating **visualization**, **dashboards**, and layout that mirror or enchance the **Tableau reports**.
* Proficiency in **SAP HANA** and related tools or technologies such as SAP BusinessObjects, SAP BW or SQLScript.
* Expertise in integrating data from various sources into **SAP HANA**, including ETL processes and data cleansing.
* Created multiple Canvas Apps in Power Apps synced with **Power Automate.**
* Created Multiple Notification Flows using **Power Automate**.
* Worked on some legacy reports - like **Blitz reports**, BI Publisher reports.
* Build and automated **Power BI** reports for the payroll department through which company was able to reduce 20-man hours of data cleansing and creating report in excel for every month.
* Worked extensively building Power BI Dashboards with quick insights into KPIs and **Advance analysis actions, Calculations, Parameters, Maps** and **Scatter plots**, Predictive Analysis using **Python** and **R integration.**
* Used Trend Lines Statistics and Log Axes, Groups hierarchies, time intelligence to create detailed and summary level reports and Dashboards with KPIs using **Power BI.**
* Worked on Power BI dashboards using **stacked bars, bar graphs, scattered plots, waterfall charts**, **geographical maps, Gantt charts** using show me functionality.
* Worked on Business Objects (BO) reporting tool to convert Webi BO reports into **OBIEE** Answers requests and Dashboards.
* Integrated **SAP HANA** with BI tools to creat interactive and visually appealing dashboards and reports.
* Proficient in **PostgreSQL/POSTGRES** database management, including installation, Configuration, and maintenance.
* Strong command of SQL for data retrieval, modification, and optimization in **PostgreSQL**.
* Publishing of various kinds of live interactive data visualisations dashboard reports and workbooks from **Power BI Desktop** to **Power BI servers**.
* Generated ad-hoc reports in Excel Power Pivot, developed use cases and resolved issues deploying forecasts in **Tableau** to the decision makers for strategic planning.
* Developed POCs using Process Cloud Service, OBIEE Cloud Service.
* Conducted Training sessions for Power BI users and created the documents for end user support.
* Successfully completed migration from **SharePoint 2013** to **Microsoft 365** using **Metalogix migration tool.**
* Used column formatting to customize fields in SharePoint lists and libraries.
* Embedded modern SharePoint pages in Microsoft Teams as personal apps.
* Used view formatting to customize how items in SharePoint lists and libraries are displayed.
* Used SharePoint site theming for applying custom styles and colors to sites.
* Enabled Site collection app catalogs and deployed SharePoint add-ins and **SharePoint Framework** solutions that is available only in that site collection.
* Built and deployed a complex solution with **flows, apps,** and **entities.**
* Built Multi Level Approval Workflow in **Power Automate**
* Created multi-stages business process flows based on several conditions.
* Built button flows that use information like Global Positioning System **(GPS)** data, date information, or email, which available as trigger tokens Configured forms, charts, and dashboards in model-driven apps
* Built automated flow that runs when an event in **Dynamics 365** occurs, save an email attachment in one drive for business when a new email arrives in shared mailbox.
* Designing and developing reporting semantic layers (**OBIEE Metadata Repository**) by importing metadata from a relational database or XML files and applying multidimensional data modeling techniques **(OLAP**/**MOLAP**, **star** and **snowflake schemas**) for enhanced reporting efficiency.
* Created and enforced Environment -level **Data Loss Prevention policy (DLP)** to control data that can be imported or exported.
* Extensive experience in the **Microsoft Power Platform** – **MS PowerApps, MS Power Automate** and **PowerBI.**
* Design and development of **OBIEE** RPD through the three layers (Physical, Business model and Presentation Layers).
* Extensively worked in creating complex canvas and model driven application
* Designed and Created Powerful Electronic forms **using Power Apps** then applied rules and created a data connection for further functionalities.
* Created Business rules in Microsoft Data-verse tables to validate data across multiple columns in a table.
* Created Business process **flows** to guide users in standard process.
* Created tables in Microsoft Data-verse and import data in bulk from **Microsoft Excel** and **CSV files.**
* Created a file template by **exporting data** from a **standard table** or a custom table in **Microsoft data-verse.**
* Import and **export flows, share flows** and **Monitor flows.**
* Implemented various **AI Builder** actions in **Power Automate** and configured properties.

**Client:** **Mazda, Irvine CA Apr 2018 – Mar 2021**

**Sr Power BI Developer, SQL Developer**

**Responsibilities:**

* Performed rigorous & quantitative analytics on large, complex datasets and provide strategic insights, hypotheses, and conclusions using **R, Python and SQL**
* Implementation and delivery of MSBI platform solutions to develop and deploy ETL, analytical, reporting on **SQL Server 2008 using SSAS, SSIS, SSRS.**
* Worked on ITIL and other aspects of IT service management.
* Programming languages **(OOPS)** concepts abstraction, encapsulation, inheritance, polymorphism in **C#.**
* Designed and developed various abstract classes, interfaces, classes to construct the business logic using C#, Entity Framework and SQL.
* Built various AML reports and dashboards using SAS and TABLEAU
* Experienced in SDLC life cycle for Design, Development and Staging phases of the projects with support of **Dataflow**, **Process Models**, and **E-R Diagrams**.
* Understanding OLAP process for changing and maintaining the Warehouse, Optimizing Dimensions, Hierarchies and adding the Aggregations to the Cube.
* Experience in designing efficient database schemas, tables, and relationships in **PostgreSQL**.
* Experience in configuring and maintaining high availability solutions like replication and failover for **PostgreSQL**.
* Created Data Warehouse schema to deploy fact and dimension table and defined Referenced relationships with the measure groups and fact tables.
* Ability to generate **QVD files**, which serves as optimized data sources for **Qlik** applications, improving data load and query performance.
* Understood the existing ETL and relational database framework and Scheduled Packages using SQL Server Agent Jobs.
* Generated ad-hoc reports in Excel Power Pivot and sheared them using **Power BI** to the decision makers for strategic planning.
* Utilized Power Query in **Power BI** to Pivot and Un-pivot the data model for data cleansing and data massaging.
* Expertise in implementing incremental data loading techniques using **Qlik ETL** scripts to efficiently update the **QVD** and keep them synchronized with the source data.
* Store all source code in the Team Foundation Server **(TFS)** and update development status in the TFS timely.
* Come up with different test scenarios for automating **Unit test cases**, Build verification test cases and Environment test cases.
* Perform Preventive maintenance activities like causal analysis, restructuring program codes, data problems resolution and performance tuning.
* Developed BI solutions across **10 projects** on wide array of technologies such as **Microsoft Power BI and QlikView** for financial data analytics.

**Client: Cognizant Technologies Solutions (WR Berkley) IN Dec 2016–Jan 2018**

**Power BI Developer, SQL Developer**

**Responsibilities:**

* Automated the **CRUD** operation of User's in **Azure** AD through **Power Automate/Logic Apps**.
* Requirement Analysis and data modelling in **Power BI**
* Build and automated Power BI reports for the payroll department through which company was able to reduce 20-man hours of data cleansing and creating report in excel for every month.
* Create the Calculated columns and measures with the use of **DAX** Expressions.
* Experience in the analysis, design, development, testing and implementation of enterprise scale apps.
* Experience in developing new Power Apps model and canvas driven apps as well as enhancing existing apps.
* Guided and participated the mapping exercise for attributes used by AML from the source SWIFT, FED-WIRE to AML system through their data warehouse.
* Created multiple Canvas Apps in Power Apps synced with **Power Automate.**
* Created Multiple Notification Flows using Power Automate.
* Created Flow which will Automate to Map the User with Worker in **D365 HR.**
* Created Payroll Report, Timesheet report with position hierarchy and expenses and hours per customer.
* Developed and provided technical solutions for day-to-day operations and long-range strategic planning of scheduling and finance system for users.
* Proctored both online and in-person technical training courses on **Power Apps,** supporting client scales ranging from individuals to groups of 20.
* Involved in Multiple Projects **in designing, building** and **testing** solutions in power app platform and then transported solution from development environment to other environments.
* Created custom lists to build Input Consideration forms, DMI Corporate Title Nomination Forms, Annual Resource Planning Survey Forms, Job Details, Sub Team Details, Policy Violation Forms, Third Party Engagement Forms, and Onboarding Checklist Forms based on each individual job.
* Used **SharePoint Designer 2013** and developed several complex Workflows and associated them with related team/departments to set Status, **Complexity**, Overall Status field values by handling Third Party Vendor’s updates.
* PowerApps Built **Canvas & Model Driven Apps** for Field Service Teams, from design to completion.
* Performed full and incremental migration from on premise **SharePoint server 2013** to SharePoint online using Share-gate.
* Converted InfoPath based forms into **Power app** forms.
* Prepared a guide for end users on new user experience in list, document **library, pages, web-parts** and other objects in **SharePoint Online**
* Configured and created **web application, Site collections, sites, lists, document libraries, pages, views** to collaborate.
* Created content types for different document libraries with various metadata fields associated with each content type.
* Utilised Microsoft Teams to create **Channels, Groups, meetings**, and manage users' permissions on **Teams meetings & chat.**
* Used SharePoint **framework**, PowerShell and windows command prompts to deploy **SharePoint solutions** to testing and production environments.
* Used **SharePoint framework, PowerShell** and windows command prompts to deploy SharePoint solutions to testing and production environments.

**Client: Accenture Solutions-Hyderabad, IN June 2014-Nov 2016**

**MSBI, SQL Developer**

**Responsibilities:**

* Analysed batch processing performance and suggested improvements where appropriate.
* Involved in the development and implementation of **SSIS** and **SSRS** application solutions for various Business units across the organisation.
* Developed dashboards using **Power BI**.
* Used **SSAS** tabular Model for **Power BI** and **excel reporting** applications.
* Generated ad-hoc reports in Excel Power Pivot and shared then using Power BI to the internal teams for strategic planning.
* Designed **Power BI data visualization** utilizing **cross tabs,** **maps**, **scatter plots,** **pie, bar**, and **density charts.**
* Created SSIS Packages to load data from sources like Flat files, **Excel, OLEDB**, and **Oracle** to **SQL Server**.
* Scheduled jobs for executing the stored **SSIS packages**, which were developed to update the database on daily basis using **SQL** Server Agent.
* Improved the performance of **SSRS** reports by tuning the Stored Procedures and **T-SQL** queries and created **XML, PDF, EXCEL** files using **SSRS**.
* Created SSIS packages with different control flow options and data flow transformations such as Conditional Split, Multicast, Union all and Derived Column etc.
* Created indexed views and worked on slow running SQL queries to improve performance.
* Translated the Business requirements into workable functional and non-functional requirements at detailed production level using **Workflow Diagrams**, **Sequence Diagrams, Activity Diagrams** and Use **Case Modelling**.
* Developed various reports **like Charts, Tables, Matrix, Sub reports** and reports using single value parameters, multi- value parameters with Queried and Non-Queried parameters.
* Developed stored procedures using **T-SQL** to retrieve data and used it to generate ad-hoc reports.
* Created **SSRS** report templates for report development and mentoring others in my team for complex **SSRS** reports.
* Created Clustered and Non-Clustered Indexes on tables for performance optimization of complex stored procedures.