KUMAR

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| Experience Summary |

* 4 years of IT Experience as DW & BI Consultant in Production, Development and Staging Environments.
* Good Hands on experience in **Power BI Admin, development and implementation knowledge**.
* Good Hands on experience on **Azure SQL, Azure data factory and Azure SQL DW, Azure Storages and ambari HIVE.**
* Strong knowledge on databases like SQL Server 2005/2008/2012/2014/2016.
* Good Hands on experience in data modeling, familiar with snowflake schema, Star schema, SSAS Multi-dimensional model and tabular model.
* Good Hands on experience on Hierarchies, Aggregations, partitions, calculated members and KPIs in Dimensional modeling.
* Exposure to ETL tools like, **SSIS**, **Azure Data Factory** and **Azure Data Lake Analytics**.
* Hands on experience in creating Azure Pipeline (ADF) with different activities Lookup activity, for each activity, stored procedure activity, Copy activity for diff environments ADLS, Azure SQL and On-Prem SQL etc..
* Expertise in designing Visualization report using Power BI.
* Comfortable in working with filters/calculated columns/measures/relationships and transformations of Edit Query section in Power BI
* Expertise in DAX expressions like filters, Aggregate, Mathematical Functions etc.
* Expertise in designing Power BI reports & dashboards using Azure SQL Server, Azure SQL DW and SSAS
* Proficient in SQL Server and T-SQL (DDL and DML) in constructing Tables, Normalization/ De-Normalization Techniques on database Tables.
* Excellent T-SQL Developer skills including Stored Procedures, Indexed Views, User Defined Functions, Triggers, and Distributed Transactions.
* Extensive experience in **Installation**, **Configuration** and **Updates** of SQL Server.
* Expertise in Performance tuning, Optimization, Data integrity and Statistics by using SQL Profiler.
* Involved in complete SSIS life cycle in creating SSIS packages, building, deploying and executing the packages in both the environments (Development and Production).
* Involved in create ETL packages to validate, extract, transform and load data to data warehouse and Involved in data marts

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| Work Experience |
| * Currently working as a Sr software engineer in Mphasis, since Feb 2019 to till date. * Worked as a software engineer in Cognizant, since November 2017 to Feb 2019. |

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| |  | | --- | | Complete Technical Skills |   Operating systems                 : Windows XP/Windows 7 and Windows 8  Programming Languages : SQL, T-SQL,HIVE  RDBMS                                    : Microsoft SQL Server 2008R2 and 2012.  Reporting Tool                   : SSIS, SSRS, Power BI Excel PowerPivot  ETL Tool                   : Azure Data Factory, Azure Data Lake Analytics |

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| Project Details |

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| **3. PROJECT TITLE** | **EDW (Enterprise Data Warehouse)** |
| Client | Royal Ahold |
| Role | Azure Developer |
| Technology and Tools | ADF, ADLA, Azure SQL DW, HIVE, Power BI |

**PROJECT DESCRIPTION:**

Ahold-Delhaize is a leading food service provider in the United States, with multiple operating companies conducting business. An EDW (Enterprise Data Warehouse) is a key factor for Ahold-Delhaize to promote its distinguishing business vision and to achieve its strategic business goals. Additionally, a properly architected and implemented EDW would address immediate business and operational issues and further enable many of the functional areas within the company by providing increased flexibility and independence in accessing complete, consistent, and accurate enterprise information for all business users . EDW at its inception was a consolidation of the Item Data Warehouse (IDW) and the Customer Data Warehouse’s (CDW) logical content. CDW’s main source of customer data (Sales, Coupon, Basket and Tender) was the Mainframe which also passes the same dataset to the Operational Data Store (ODS).

The overall scope of the project is to migrate the legacy data from On-Premise Oracle data warehouse (EDW – Enterprise Data Warehouse) to Azure cloud.

**ROLES AND RESPONSIBILITIES:**

* Developed ADF pipelines to load the data from Oracle and Mainframe FTP server to ADLS.
* Used the ForEachLoop, lookup activities to handle the multiple data files loading.
* Used the ExeutePipeline activity to call another pipeline, in need of creating Master PL which calls the child Pls.
* Used Hive Activity in Pipeline to execute the dynamic hql script to alter the hive tables
* Worked on hive table creation with partitions.
* Involved in complex U-Sql procs on business requirement which including the partitioned output, data file check for existing data.
* Involved in SCD Type2 logic in U-Sql .
* Worked on Azure SQL DW external table creation.
* Monitoring the Daily production jobs.
* Worked on extensively creating Mapping spec and Master sheet on requirements of user.

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| **2. PROJECT TITLE** | **Rythu Kosam (Farmers Village Advisory Dashboards)** |
| Client | Microsoft Corporation |
| Role | BI Developer |
| Technology and Tools | ADF, SSIS, Power BI, Azure SQL Server, Azure data lake storage |

**PROJECT DESCRIPTION:**

Data from farmer's database was ported to Azure cloud by Azure Data factory and SSIS. Weather data and market price data from public sites are ported to Azure using web jobs. The analytics module predicted the sowing date to farmers for getting a better yield of the crop sown e.g. Sowing day based on the location, field soil nature, rain precipitation, soil water usage, temperature, Cloud, Latitude & Altitude and Field capacity etc. Parsing the field wise farmer details and create geotags for Power Map view. Integration of Azure ML with SQL Server database by passing dynamic parameters for sowing day prediction. Reports providing insights on farmer demography (by farmer caste and by location); soil health and fertilizer recommendation by crop, weather (next 7 days) with min, max temp, rain info, cloud info, humidity, wind speed etc.; Commodity wise prices for current day which includes the prices for different districts, markets, crops, crop variety and their max, min & modal prices

**ROLES AND RESPONSIBILITIES:**

* Involved in gathering requirements, worked closely with end business users and implemented the model diagram.
* Create and maintain clearly written technical, user, and system documentation.
* Worked with complex SQL, Stored Procedures, Triggers and packages in very large databases from various servers.
* Loaded Data from SQL server on-premises databases to Azure SQL Server DBs using SSIS packages and ADF.
* Involving in designing, testing for SSIS Packages.
* Created event handlers per the package using event handler tab and Involved in deploying and scheduling SSIS Packages.
* Involved in writing Stored Procedures.
* Created New Calculated Column and Measure using DAX Expression and created Farmers Village Advisory dashboards using Power BI
* Used Table, Matrix, Bar, Card, Gauge, Maps and Slicers visualizations using Power BI Desktop and Involving in deploying reports into Power BI App.

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| **1. PROJECT TITLE** | **School Dropouts** |
| Client | Microsoft Corporation |
| Role | BI Developer |
| Technology and Tools | ADF, SSIS, Power BI, Azure SQL Server, Azure Data lake storage |

**PROJECT DESCRIPTION:**

The Education is key to the development of any nation. School dropouts after 10th grade is annoying for government. Early detection of dropout signs help the Govt. agencies take preventive measure and build a better nation with educated youth power. Together Andhra Pradesh Govt. and Microsoft is trying to leverage Machine Learning, Data Science and Advance Visualization technique to explore understand and predict dropout reasons and dropouts. Data Required for this study is located with various agencies under Andhra Pradesh Government. Acquiring and connecting the complex data is a challenging task. We acquired data on 10th grade pass outs, intermediate (+2), ITI, Poly Technique admissions, school infrastructure, teacher’s information and child information. There are hidden and direct links between these data. Connecting the dots is the first step to have a close look on the data.

**ROLES AND RESPONSIBILITIES:**

* Involved in gathering requirements, worked closely with end business users and implemented the model diagram.
* Loaded Excel data to SQL Server DB using SSIS Packages.
* Involving in designing, testing for SSIS Packages.
* Created event handlers per the package using event handler tab.
* Involved in writing Stored Procedures.
* Involving in deploying and scheduling SSIS Packages.
* Used SQL Profiler to analyze the performance of SQL Queries.
* Created New Calculated Column and Measure using DAX Expression and created Districts level student dropout reports and dashboards.
* Used Table, Matrix, Bar, Card, Gauge, Maps and Slicers visualizations using Power BI Desktop and Involving in deploying reports into Power BI App.

**Declaration**

I hereby certify that the above details are correct and complete to the best of my knowledge and belief.

**Place:**  **(KUMAR SIRIPURAM)**