

Kathyaini Mudireddy
BI, Data Engineer & Analyst

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Professional Summary

A proactive and results-oriented BI Developer, Data Engineer & Analyst specializing in the complete Microsoft stack. My focus lies in creating, implementing, and maintaining DWH, ETL, ELT and Reporting solutions. As a certified Microsoft data engineer and BI developer, I bring expertise in various Microsoft BI tools and services in Azure cloud. My strengths include efficient task management, meeting deadlines, and effective collaboration within diverse teams.

Personal Brand

A self-motivated, high achieving professional who has been renowned for problem solving, analytical and successful task management skills. I am dedicated, learn quickly, adapt well to change, and have a strong commitment excellence.

Professional Experience

Client: HealthGenic Solutions, Nov 22 – Till date

- Conducted thorough requirements analysis gathered from stakeholders, designed, developed, implemented, and supported tailored business solutions for **DWH, ETL, ELT, DataLake, and BI** needs.
- Incorporated **Spark** Application using **PySpark** to extract, transform, and aggregate data using **Azure Databricks, Synapses** from multiple file formats, and using **Spark SQL, Python** to query and analyze data.
- Creating data ingestion and processing workflows with Azure **Databricks, Python, PySpark, Synapses, EventHub** and designing transformation and orchestration pipelines in **ADF** move data into **DataLake**.
- Designed optimized big data processing architecture for both batch and streaming data workloads in **Databricks**.
- Utilized **GitHub** to pull code from various module repositories to make changes to push back to the main branch.
- Developed canvas and model-driven **Power Apps** to streamline data entry, workflows, and business processes.
- Using a combination of **Power Apps, SQL, Power Automate, and Power BI** – I built an automated testing platform that will validate Power BI Semantic Models against the source database to validate output.
- Provided training sessions to end-users and team members on using **Power BI** features and functionalities.
- Established **governance** frameworks for clients, defining architecture for O365 environments, **Active Directory** policies, and security group settings while delineating roles and permissions for administrators and users.

Client: Reliance Insurance, Jan20 – Aug21

- Data Steward of process best practices & design standards – Data Model and reporting UI Implemented the modular “bifurcated” or “thin report” design concept for **SSRS, Power BI and Tableau BI** reports.
- Automated Data migration process (ETL) between systems by setting up triggers, thus reducing manual effort by 65%, Transformed data using data flows in **Azure Data Factory** and loaded into **ADLS Gen 2**.
- Build metadata driven pipelines using **ADF**, Custom **SQL**, Stored procedures that process data from **OLTP** to **OLAP**.
- Utilizing the new **Power BI** Deployment Pipelines integrated with **Azure DevOps** and Power Automate, I built a deployment pipeline structure via **CI/CD** that will deploy the solutions to their respective workspaces.
- Experienced in creating custom visuals and enhancing report interactivity in understanding the needs of the business and translating those into meaningful reporting that allows for actionable decisions.
- Designed and implemented **Power BI Dataflow** solutions to support reporting and analytics requirements.
- Developed BI Analytical Dashboards and reports in **Power BI, Tableau** incorporating global filters, calculated columns, Measures, variables complex **DAX** and **MDX** calculations, and transformations.
- Presenting results clearly and concisely for internal and external stakeholders, users, presentations & develop analytical tools and **Power BI, Tableau** dashboards that allow our teams to efficiently report on datasets.

Client: IDFC FIRST Bank, Oct19 – Jan20

- I collaborated with cross-functional teams to gather and analyze requirements, As a team member, my role involved translating requirements into **BI, DWH, ETL** solutions, resulting in streamlined project delivery timelines.
- Understanding client requirements, analyze data to quantify the value proposition to our customers, as required.
- Design and implement greenfield cloud data solutions in Microsoft Azure, utilizing **Azure Data Lake**, **Azure Data Factory**, **Azure Logic Apps**, **Azure Functions**, Storage account, **Python**, and **Power BI**.
- Implement CI/CD pipelines using GitHub Actions, DevOps, or other tools for automating deployment processes.
- Identify data sources, create data flow diagrams, and document sources to target mapping in the **SSIS** ETL Packages, and dataflows and process along with any business transformation needed.
- Utilize **Snowflake**, a cloud-based data warehousing platform, for scalable and flexible data storage and analytics.
- Utilize **Big Query** for large-scale data analytics in **Power BI** and querying within the Google Cloud Platform.
- Performed data analysis using **SQL queries** and data profiling, creating data profiling reports for data discovery.
- Implemented complex **DAX** and **MDX** calculations and measures to support analytical needs.
- Optimized data models for performance and scalability to reduce report processing time using **DAX Studio**.

Client: IQVIA, July18 – Sep19

- Worked with business analysts, users, and stakeholders to identify opportunities for data-driven insights.
- Collecting business requirements and developing custom **SSRS**, **Power BI** reports, analytics, and KPIs for clients
- Developed **SQL** queries & ETL packages using **SSIS** to ingest data from source systems to integrate with **DWH**.
- Collecting, cleansing, organizing using **SSIS**, **SSAS**, **SQL DB**, and analyzing data from both internal and external sources for Business Intelligence purposes to support the designated area of business.
- Created and developed dashboards, tabular, matrix, reports, charts, Graphs, Drill through, Drill down, **DAX**, **MDX**, **DAX Studio**, **Power Query** and parameter reports using **Power BI** and **SSRS** reporting tools.
- Created complex analytic queries on huge data sets; developed **T-SQL** stored procedures, triggers, and Indexing.
- Provided timely reporting using **SSRS**, **Power BI** and analytics to support the management team indecision-making & provided general administrative support for various departments across the organization.
- Worked on BI reports migration from **QlikView**, and **SSRS** into **Power BI**, build custom sql for data extractions.
- Created documentation that allowed a clear understanding and replication of the data analysis and BI processes.

Technical Skills

- **Database:** MySQL, MS SQL Server, Azure SQL DB, Big Query, Snowflake
- **BI:** Power BI, Tableau, SSRS, Power Automate, Power BI Administration, Looker
- **ETL:** SSIS, ADF, Synapses, Databricks (beginner), Visual Studio
- **IT Processes:** Agile/Scrum, Software Development Life Cycle (SDLC)
- **Productivity Tools:** Jira, Microsoft 365, Word, Excel, SharePoint, Git

Professional Certifications

- DP – 203 Microsoft Azure Data Engineer Certification
- PL – 300 Microsoft Power BI Data Analyst

Education

- Bachelor's degree in, JNTUA - 2018
- Master's degree in, Nortumbria University - 2022

Other Details

- Lives in London, available immediate, and reference available upon request