**Sai Teja Kamma**

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**Professional Summary:**

Results-driven Azure Data Engineer with a strong background in designing, implementing, and managing data solutions on the Microsoft Azure platform. With expertise in data architecture, data integration, and data processing, I am committed to utilizing Azure's advanced tools and services to drive data-driven decision-making and empower organizations with actionable insights.

Throughout my career, I have collaborated closely with cross-functional teams to understand business requirements, analyze data sources, and develop scalable data pipelines. Proficient in Azure Data Factory, Azure Databricks, Azure SQL Database, and Azure Data Lake Storage, I have successfully delivered end-to-end data solutions that optimize data ingestion, transformation, and analytics processes.

As an Azure Data Engineer, I excel at building efficient and scalable data pipelines, implementing data integration workflows, and ensuring data quality and integrity. I have hands-on experience with Azure Synapse Analytics, Azure Stream Analytics, and Azure Analysis Services, enabling me to design and deploy robust data analytics solutions that enable organizations to uncover valuable insights and make data-driven decisions.

Furthermore, I possess strong programming skills in languages like Python, SQL, and PowerShell, enabling me to automate data processes, develop custom scripts, and perform complex data transformations. I am well-versed in data modeling techniques, employing dimensional and star schema designs to facilitate efficient reporting and analysis.

**Technical Skills:**

* **SQL server versions:** 2014, 2012, 2016, 2019 and familiar with Oracle DBMS
* **BI Tools:** SQL server management studio, SQL workbench, Visual Studio, **PowerBi**, PowerApps, Tableau.
* **Programming Languages:** T-SQL, C#, VB.net R, Azure, Python
* **Cloud Environments: Azure, Snowflake, Singlestore**
* **Productivity Applications:** MS Excel, MS Word, MS PowerPoint
* **Productivity Tools:** SQL Workbench, Jira 7.1, Azure Devops
* **Source Control Management Tools:** Azure Devops, TFS, GitHub and SVN.

**Professional Experience:**

**Kroger**

**Cincinnati Oct 2022 – Current**

**Powerbi/Etl developer**

**Project Scope:** To Migrate existing Azure cosmos Databases into new cloud Environments like Singlestore and to develop new data pipelines in ADF and data bricks for testing and ETL Teams.

* Migrated Azure Cosmos data into Single store for the Order Interaction systems.
* Develop and test data pipelines in ADF to push data from On Pem Sql server to Azure Sql Server.
* Develop and test data Workflows in Informatica PowerCenter to move data from Production to lower environments.
* Develop ETL Pipelines in Azure toload SAT datain Azure sql server.
* Collaborated with business analysts to understand requirements and translate them into effective data visualization solutions.
* Conducted performance tuning on sql databases to enhance query speed and database efficiency, resulting in 20% faster data retrieval.
* Implemented data validation and cleansing techniques, improving data accuracy and reliability in reports.
* Developed dax calculations to support advanced calculations and kpi tracking within **powerBi** reports.
* Develop **PowerBi** reports to represent store data across different divisions.
* Migrate data from existing Azure Cosmos DB to On Prem Single store clusters.
* Develop, Test and deploy Databricks scripts to automate the test data requiremnts.

**Environment:** **Jira, GitHub, ADF, Azure Databricks Azure Synapse,Powerbi, Python, Powercenter, IDQ, Azure Cosmos, Singlestore, Sql server 2018.**

**Microsoft**

**Seattle Jan 2022 – Sep 2022**

**PowerBi/Sql developer**

**Project Scope:** Directly working on client requirements to move the legacy database/ETL into Azure synapse and acting as a liaison between the offshore Development team and onsite Business Teams.

* Develop and test data pipelines in ADF to push data from Sql server to Azure synapse analytics.
* Develop and test data pipelines to move data from legacy systems to Blob storage and azure Synapse.
* Extensively worked on logic apps/triggers to send emails to different development teams about the pipeline status.
* Extensive reporting in **Powerbi** on top of the Azure synapse Database for different business metrics.
* Lift and shift existing SSIS packages into Azure Data factory environment.
* Create notebooks inside Azure Databricks using R, Python for Data Cleansing.
* Used Azure Databricks to create ETL work flow in python to move csv files into snowflake.
* Designed and implemented snowflake Datawarehouse to be consumed by **powerbi** reports.

**Environment:** **Azure Devops, Powerbi, .Azure Data Factory, Azure Synapse, Dynamics 365(Sandbox), Azure, R, Python, Sql server.**

**Caterpillar Inc**

**Cary, Nc Aug 2021 – Dec 2021**

**Sql developer/PowerBi**

**Project Scope:** Working on executive level projects that include migration of existing ETL packages (2012 to 2019) and develop reporting solutions using Powerbi.

**Responsibilities:**

* Involved in Migration plan for Migrating the ETL(SSIS) Packages and cubes (**SSAS**) from Sql server 2012 to 2019 and create dashboards for executive teams using Snowflake and **Powerbi**.
* Develop and migrate ETL Packages from ERP systems into the newer Datawarehouse environment snowflake.
* Extensive Development in snowflake database to get a replica of the existing Sql server databases.
* Develop and Deploy **Powerbi** Dashboards and maintaining row level security within snowflake and **Powerbi**.
* Create custom visualizations using Python, R inside Powerbi as per the requiremnts
* Extensive use of Azure Devops (TFS) as source control for all code changes, ETL packages and reports.
* Migration and testing of existing **SSRS** reports from Sql server 2012 to 2019.
* Conduct weekly code review for all the migration tasks (Etl, Reports).

**Environment:** **MS SQL Server, SSIS, SSMS, SSRS, T-SQL**, **Visual Studio 2019, Azure Devops, TFS, Powerbi, R, Python, Snowflake.**

**Anthem Inc**

**Norfolk, Virginia Jan 2021 – July 2021**

**Sql Developer**

**Project Scope:** To support the existing EIDS team and make changes as per the Business/team requirements.

**Responsibilities:**

* Involved in Design and architectural changes of the existing database systems with Anthem and its subsidiaries.
* Create and Schedule ETL Jobs to move the data between the EDI files and sql server databases..
* Working in bi-weekly sprints to Analyze and Modify the existing Stored procedures for the statewide health markets (i.e. MN, NJ, VA, NC etc.)
* Conduct Code review by performing Unit testing for changes done by the team members to check for any issues.
* Recreating existing SSIS Packages in Azure Data factory (ADF) and migrating the existing Sql server to Azure Sql Datawarehouse.
* Create Tabular models in **Azure Analysis services** to be consumed by excel and **powerbi**.
* Convert existing excel reports to **Powerbi** Solution reports.
* Design and implement database solutions in Azure SQL Data Warehouse, Azure SQL
* Worked on production deployment schedules and check for Consistency in Data Migration.
* Create Ad-Hoc reports in **Powerbi** for the Business teams for to conduct Impact Analysis.
* Conduct Preliminary interviews for the team to identify potential **Powerbi** candidates.

**Environment:** **MS SQL Server, SSIS, SSMS, SSRS, T-SQL**, **Visual Studio 2017, SharePoint, EIDS, SVN, TOAD**

**BNY MELLON**

**Jersey City, New Jersey April 2019 – Oct 2020**

**Sql Developer/PowerBi**

**Project Scope:** Direct support for Trade capture application and Creating Custom and Interactive reports depending on each business unit requirement in the bank.

**Responsibilities:**

* Involved in design, development, data analysis, identifying and gathering business requirements, user testing and maintenance of BI applications and information systems including database management systems MS SQL Server.
* Designed and developed Data models to connect all the incoming/onboarded funds.
* Developed and executed **ETL** Packages using SQL Server Agent/**SSIS** to migrate the incoming transactional data from various systems into the **Datawarehouse**.
* Primarily involved in Data Migration using **T-SQL**, SQL Azure, Azure storage, and **Azure Data Factory**, **SSIS**, PowerShell.
* Integrating SharePoint between BNY and Deloitte to share the files.
* Develop new features in SharePoint that would allow user access, Interface etc.
* Maintain/check for data consistency by writing test cases using T-Sql in Cascade suite.
* Create **SSRS** reports and upload them into Cascade to be previewed by the fund accountants.
* Convert Microsoft access Databases to **SQL server** databases for Trade Capture Application.
* Extensive use of GIT for code check-in and Confluence for documenting the workflow process.
* Extensive data modelling in **SSAS** to create cubes for efficient reporting.
* Extract data from Various internal API’s/Databases into **PowerBi** and create data models to be used by different financial teams.
* Setup Data gateways in **PowerBi** for on premises data servers Implement row level security to keep report access to specific users in the organization.
* Setup **PowerBi** on-premises report server which can be used for paginated (existing SSRS reports) and new **PowerBi** reports.
* Extensive use of dax for creating calculated measures, functions and variables in **PowerBi**
* Create custom **PowerApps** as per the real estate team requirements.
* Integrate **Power apps** with power bi to interact with visualizations in real estate reports.
* Develop **Data models** for the real estate team for efficient data visualization in **PowerBi**.
* Created various complex reports in **PowerBi** (Private equity and real estate) which pulls in data from Api’s and databases.
* Train fund accountants and business users in **Powerbi** and **Dax Studio** in relation to excel.
* Implemented **PowerBi** and **PowerApps** gateway to keep Dashboards and reports up to date with on-premise data sources.

**Environment:** **MS SQL Server 2008, SSIS, SSRS, SSMS, T-SQL**, **Visual Studio 2013, Investran, Yardi, Power pivot, T-SQL, Power BI, MS TFS, JIRA, VB.Net**

**STATE STREET**

**Quincy, Massachusetts June 2017– March 2019**

**MSBI / SQL Developer**

**Project Scope:**Working in sprints to Populate and Update the Datawarehouse by collaborating with all the respective departments and checking for consistency in the Financial Datawarehouse and creating reports according to the Business requirements.

**Responsibilities:**

* Involved in the development and implementation of **ETL** and **reporting** solutions for various Business units across the organization.
* 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 Modeling.
* Developed various reports like Charts, Tables, Matrix, Sub reports and reports using single value parameters, multi-value parameters with Queried and Non-Queried parameters.
* Scheduled jobs for executing the stored SSIS packages, which were developed to update the database on daily basis using SQL Server Agent.
* Deploying and Scheduling reports to generate daily, weekly, monthly and quarterly reports.
* 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.
* Worked with SQL workbench for Running scripts in Batch mode and comparing schemas from different Databases.
* Created Heatmaps in python using Seaborn for graphical representation of client statistics.
* Created SSIS Packages to load data from sources like Flat files, Excel, OLEDB, and Oracle to SQL Server.
* Improved the performance of SSRS reports by tuning the Stored Procedures and T-SQL queries
* 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.

**Environment:** **MS SQL Server 2012/2008R2, SSIS, SSRS, Python, T-SQL, Team foundation server (TFS), SharePoint, Tableau, Argos, Linux, Oracle DB, Dynamics365 Financials, SQL Server Management Studio, Visual Studio 2010**

**New England College**

**Henniker, NH Jan 2016 – May 2017**

**SQL Developer**

**Project Scope:** To develop and maintain various databases across the organization.

**Responsibilities:**

* Create Tables, Indexes, Views, Sequences, Constraints, Synonyms and Partitions (Range and List partitions).
* Develop Exception handling process and audit process for each ETL package.
* Extracted data from different systems and designed and developed ETL processes for loading data into the Oracle Database.
* Created Ad-Hoc Reports, Sub Reports and Summary Reports for the financial accounting team using R Programming.
* Creating quarterly/annual reports to review financial balances.

**Environment:** **Oracle RDMS, R, Python, Argos.**

**EDUCATION:**

* Master’s in Computer Information Systems, New England college,2017
* Bachelor’s in Mechanical Engineering, cvr college of engineering,2015

**Certifications:**

* **Microsoft Dynamics 365 and the Power Platform**
* **Power BI Dataflows Essential Training**
* **Azure Development Essential Training**
* **Succeeding in Web Development: Full Stack and Front End**