

Data Engineer**PROFESSIONAL SUMMARY**

- Azure Data Engineer and BI Developer with 4.10+ experience in SQL Server (2016, 2019), SSIS, SSAS, PowerApps (Canvas), Azure Data Factory, DataBricks, Azure Synapse, SSRS involving in full Data warehouse development life cycle – Requirement analysis, design, development, testing and implementation.
- Experienced in normalization techniques using database diagrams, Erwin, and other data modeling tools.
- Good knowledge of data warehousing concepts and data modeling techniques such as dimensional data modeling, star schema modeling and snowflake modeling.
- Have extensive experience in creating pipeline jobs, schedule triggers using Azure Data Factory and SSIS.
- Worked on large database architecture which involved partitioning, materialized views and other data warehousing processes.
- Experience with Azure transformation projects and Azure architecture decision making to implement ETL and data movement solutions using Azure Data Factory (ADF) and SSIS.
- Experience in working with Azure data services, such as Azure SQL, data flow, storage and BI solution.
- Expertized in Python data extraction and data manipulation, and widely used python libraries like Pandas for data analysis.
- Experience on working with file structures such as text, sequence, parquet, and Avro file formats.
- Hands-on experience in working on high availability methodologies Azure SQL.
- Led data mapping, exploratory data analysis and logical data modelling between source & destination systems.
- Proficient in designing the data pipeline which can capture data from streaming web data as well as RDBMS source data.
- Experience with Azure transformation projects and ETL architecture decision making to implement ETL and data movement solutions using Azure Data Factory (ADF) and SSIS.
- Hands-on experience in Query optimization and ETL fine tuning.
- Administrator skills in database backup, recovery and other basic DBA duties.
- Experience in writing Stored Procedures, views, Indexes, Functions, Joins.
- Troubleshoot experience in error handling in packages, stored procedures and views.
- Have worked in agile development methodology and actively demonstrated the product to the stake holders in sprint review
- Ability to handle multiple tasks and capable of handling responsibilities independently as well as a team Member.
- Experience with Git-Hub, Team City and Octopus deployment tool
- Proficient individual with excellent communication and interpersonal skills.

TECHNICAL FORTE

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| ▪ Database: | Azure SQL, SQL Server- 2019, 2016, Postgres(basics) |
| ▪ SDLC: | Agile, Waterfall, and Kanban |
| ▪ Database Programming: | T-SQL, Dynamic SQL |
| ▪ Programming Language: | Python |
| ▪ Development Tools: | SSDT, SSMS |
| ▪ Integration (ETL) Tools: | SSIS |
| ▪ Reporting Tools: | SSRS |
| ▪ Source Control & Collaboration Tool: | GitHub |
| ▪ Cloud Technologies: | MS Azure (SaaS), Azure SQL, Databricks, Azure Synapse, Azure Data Factory, Azure Storage (BLOB, Data Lake House) |

ORGANIZATIONAL EXPERIENCE**Project#1:**

Title	:	SO-1
Client Name	:	Beazley.
Technologies Used	:	SSIS, SSRS, Octopus, TeamCity, Git hub.
Role	:	BI Developer
Duration	:	Aug'18 to Dec'19.

Description:

Finance Technical hub (SO1) is designed to store and enriches the source information to provide financial result. FTH collects data from multiple internal sources system to populates finance Landing, data is conformed into a common structure known as Finance Technical Hub data contract. From FTH Data contract, data is pre-processed to fact and calculate the earnings, sidecar across the calculation engine for business use and stored in Finance Technical hub which is in then transformed to appropriate process codes and account codes to be available for the user in FDM system.

Responsibilities:

- ✓ Responsible for delivery of features aligned in the given sprint plan.
- ✓ Involved in developing new ETL package using SSIS.
- ✓ Created generic stored procedure which transforms data from one DB to another DB by applying business logics.
- ✓ Responsible for doing feasibility study, estimating efforts for new requirements.
- ✓ Involved in creating SQL procs and their optimization.
- ✓ Performed Unit testing at various stages by checking the data manually.
- ✓ Performed Data Analysis and Data validation by writing SQL queries.
- ✓ Involved in pulling data form SSAS-Cube using SSIS-Packages.
- ✓ I have experience with using other sources like flat file, excel, oledb source, xml source.

Project#2:

Title	: IFRS 17
Client Name	: Beazley
Technologies Used	: SQL,T-SQL,SSIS, SSAS-Multidimensional, PowerApps.
Role	: BI Developer
Duration	: Jan'20 to August 21

Description:

IFRS17 (International Financial Reporting Standards 17) is designed to store those calculated IFRS17 Financial results from various sources for the downstream calculations such as Cashflows, Allocations of the Claims, Rips and Pc's, etc which are done as part of the Cube calculation and writeback the data into the Cube for the calculations which are dependent on these percentages.

User Interface:

PowerApps is used as the User Interface for running an IFRS17 model where the user has the choice to create the Assumptions sets and creating a model runs which would ingest into the IFRS Model runs for the Data to arrive at the Intermediary Datastore for the future calculation in the tool Psicle (Dynamo). Once the Intermediary datastore is populated these can be viewed in a report to perform data checks.

Responsibilities:

- ✓ Responsible for delivery of features aligned in the given sprint plan.
- ✓ Create new SQL Server jobs to run ETL packages.
- ✓ Created Auto alert mail when ETL packages are failed.
- ✓ Responsible for doing Analysis and estimation efforts for new requirements.
- ✓ Performed Unit testing at various stages by checking the data manually.
- ✓ Performed Data Analysis and Data validation by writing SQL queries.
- ✓ Developed new SSIS Packages and transformed data as per downstream requirements (different data formats as CSV files).
- ✓ Developed ETL Package for Pulling the data form SSAS-Cube based on user specified parameters.
- ✓ Involved in giving sprint review to PO and stakeholders.
- ✓ Involved in working closely with customer side BA and PO.
- ✓ Involved in writing basic scope statements.
- ✓ Designed and Developed an ETL framework to pick data from UI(PowerApps) and trigger respective ETL Packages and DFT's.
- ✓ I have done a POC on PowerApps (Canvas) and presented it to organization and Product owner and got approved from PO.
- ✓ Designed and Developed UI (Power Apps – Canvas App) for IFRS17 by closely working with client.
- ✓ I have created views to use them in UI.

- ✓ I had worked on Control flow tasks like Execute SQL Task, Data Flow Task, For Each Loop Container, Script task, Send Mail Task, Sequence Container etc .
- ✓ I had worked on Event Handlers like On Error, On Information.
- ✓ I had worked on Data Flow Task Transformation like Conditional split, Data conversion, multicast, lookup, union all, OLEDB command, Derived column, Merge join, Sort, SCD.
- ✓ I had created Temporal tables.
- ✓ I had written Merge Statements and CTE's.
- ✓ I had involved in Sprint Planning, Backlog Refinement Sessions and Retrospective.

Project#3:

Title	: Xytech Perform
Client Name	: Xyenta
Tools and Technologies	: Databricks, ADF, Python, Sql Alchmy, Azure Synapse, Pyspark, Azure SQL
Role	: Azure Data Engineer
Duration	: August 21 to till date

Description:

Xytech Perform solutions for Finance deliver easy to use applications that automate, simplify and digitalise finance and reporting processes.

Responsibilities:

- Collaborated with the project team to outline project requirements in JRD meetings.
- Developed artifacts that are consumed by the data engineering team such as source to target mappings, data quality rules, and data transformation rules, Joins etc.
- Developed a python package(library) with python user functions.
- Deployed python package on Databricks cluster.
- Wrote pyspark and python scripts to load data from Web APIs to staging DB.
- Imported the data from various formats like Text, Excel, CSV, JSON and Parquet.
- Created views in Azure Synapse from python package.
- Created Databricks jobs to run spark engines from API call.
- Experience in creating notebooks and implementing business logic using pyspark, pandas and SQL in notebooks.
- Built high quality, reliable, and consistent sound systems that are aligned and scale with our data business needs.
- Utilized Azure Data Factory to perform Azure-SSIS integration and deployed SSIS packages to cloud.
- Implemented Azure Data Factory operations and deployed into Azure for moving data from on-premise into cloud.
- Designed and implemented data solutions (storage, integration, processing) in Azure.
- Recreated existing application logic and functionality in the Azure Data Factory, Azure SQL Database
- Performed evaluation of on-premises SQL database to Azure SQL.
- Designed and implemented ETL and data movement solutions using Azure Data Factory.
- Built a data pipeline in Azure Data Factory to fetch the data from on-premises database to Azure SQL database.
- Created CI/CD Pipelines in Azure DevOps environments by providing their dependencies and tasks