

Mohammad Hamza

**Associate Data Engineer - Cognizant Technology Solution India Pvt. Ltd
Kolkata, West Bengal**

- Having around 3.7 years of professional software development experience in the areas of BI and Data Analytics with good Knowledge in Data Warehousing (DW) applications primarily on Azure cloud Environment.
- . Hands on experience in ETL and ELT model development using Azure Data Factory, Azure Data Bricks and SQL Server Integration Services (SSIS).
- . Hands on experience in creating various ADF pipeline for ingesting data from Data Lake to Azure sql server, Data Lake to Azure DW and migrating the on prem sql server to Azure sql server using integration Runtime.
- . Good knowledge on Python, Used Python in data bricks to transform data and creating dataframes to load the data in Azure sql DW using polybase.
- . Used Pandas and Numpy for column level data and schema validation between two different formats of data.
- . Hands on experience in moving the SSIS package to the azure sql server using ADF lift and shift approach.
- . Good Knowledge on Converting and rewriting the SSIS ETL packages into ADF pipeline flow.
- . Good Knowledge on handling the file based data ingestion and Incremental loading of the data. Worked with various file format such as avro , orc , parquet and csv files.
- . Good Knowledge on Creating Azure analysis services tabular model for various KPI calculation.
- . Worked with various tasks such as Control Flow (Execute Sqltask, For each loop Containers, Dataflow Task, File System Task etc) and transformations such as Aggregate, Sort, Lookup, Fuzzy Lookup, Merge join, Multicast, Conditional split, Derived column etc.
- . Good knowledge on creating SQL objects like Tables, Stored Procedures, Views, Indexes, user defined data types and functions.
- . Good knowledge on Sub queries, Joins, set operations and stored procedures.
- . Hands of experience in creating Jobs, Alerts, Database Mail and optimizing queries to the best performance.
- . Hands on experience in Implementing the Data flow task and Control flow task by using various types of Transformations, Tasks and Containers.
- . Hands on experience Sql Profiler for monitoring and performance tuning various Long running Sql Queries.
- . Thorough Knowledge on Data Warehouse concepts like Star Schema, Snow Flake, Dimension and Fact Tables.
- Hands on experience on Power BI, Created Multiple status reports and published it to Power BI services, Familiar in working with different Workspaces and datasets as well.
- . Good Knowledge of Travel and Transport Industry and converting business requirements. Also

extensively worked in agile methodology using Azure Devops

WORK EXPERIENCE

Associate Data Engineer

Cognizant Technology Solutions India Pvt. Ltd- Kolkata West Bengal

December 2020 to Present

Place: Kolkata

Role: Azure Data
Engineer

Working with data ingestion team for a leading Retail client to help them on board all the enterprise data into a central data lake.

Application Developer Data Analytics

IBM India Pvt. Ltd - Kolkata, West Bengal

January 2020 to December 2020

Place: Kolkata

Role: BI Developer

Worked for Client Maersk Logistics and Supply Chain World's Largest Shipping Line. As part of the digital Transformation journey of the client I have contributed as a Data Engineer in Migrating the Corporate data warehouse to the Azure Cloud from the On Prem servers Using various Data Ingestion and Data Transformation Technologies.

Responsibilities Included:

- . Ingesting OnPrem Data to the Azure Data lake in the form of CSV file.
- . Creating ADF pipeline to Consume data from CSV file and Load in into the Azure sql server. This also includes creating the incrementally delta load design also.
- . Refactoring the old SSIS packages into the ADF pipelines.
- . Worked with ORC file format coming as a source for one of the reporting solutions. Reading the ORC file using Azure Data Bricks and Loading it into Azure DW.
- . Loading Data in Data Bricks Clustuer persisted layer, performing ranking and other column level transformation.
- . Creating deframes using python and loading it to Azure DW.
- . Performed data and schema validation of AVRO to CSV and ORC to CSV using python's Numpy, Pandas and pyspark.
- . Creating Stored Procedures to Merge the incremental updates.
- . Worked on creating SSL Enabled FTP sites for Moving data from various application in secured channel.
- . Worked on AAS Tabular Model deployment and different measure Calculation.

Software Trainee (BI Developer)

Artech Infosystem Pvt Ltd (Client: IBM India Pvt. Ltd) - Kolkata, West Bengal

August 2017 to January 2020

Place: Kolkata

Role: BI Developer

Duration: 2.5 years

Worked for Client Maersk World's Second Largest Shipping Line for develop/manage ETL tasks and to integrate data from all there companies in from ERP application using SSIS. Developed Sales, Accrual, Exception Data Analysis Comparison reports and dashboards using Power BI.

Responsibilities Included:

- Performance Exception dashboard is used to analyze the performance statistics of all the manager and their team on basis of the number of issues solved, their capabilities and various types of bugs been raised during the support
- Designed and developed six modules for the application using Power BI.
- Involved in the Development of the concerned ETL using SSIS.
- Received Appreciation from top level management.
- To understand and analysis of Data model from existing to OLTP database and application.
- Create SSIS package based on Dimension and fact Data model design to load data from source to OLAP destination.
- Worked on an internal Global Air and Ocean Profitability dashboard using Power BI reports and dashboards.
- Modifying the existing cubes using SSAS in order to reflect the drill down details list.
- Production Support. Responsible for all the data refresh.
- Worked as L3 and L2 Support of the application.
- Providing data Fixes for the application. And Following the complete Change Management Process.
- Worked on Complete Agile Mode using Azure Devops.
- Worked in complete Release management flow followed by the Client.

Client: Maersk Line, Copenhagen Denmark.

Academic Projects:

Project Title: Multiplex Booking System

Technology: Oracle 12c, Sqldeveloper.

Description:

- Creating ER diagram, tables and creating relation between them.
- Utilizing the advantages of RDBMS.

Project Title: Online mobile Booking system

Technology: Oracle 12c, Sqldeveloper, PL/Sql

Description:

- Creating procedures and Functions and then combining them in Packages.
- Created different packages like packages for browsing the product, package for opening phone details, package for customer login, Package for Placing order.
- Worked on Sql Developer for creating different procedure and functions.

Project Title: Voice, Music and Data transfer through optical fiber
Technology: Embedded

Description:

- Programming the microcontroller using AVR Studio.
- Utilizing the advantages of optical fiber communication.

Achievement:

- . Awarded as the Topper of the Batch in Manipal Global Academy of IT, Bangalore.
- . Being Valuable Team member, Directly Hired from IBM after working as a Contract employee.
- . Participated in Tech-Fest competition at Ideal Institute Of Technology.
- . Participated in cultural fest Panache 2014.
- . Participated in Call of duty 4: Modern Warfare and Need for Speed Most wanted LAN Game Competition at Panache 2014.
- . Participated in Bidhannagar, Kolkata Marathon.
- . Got nominated for IBM Reskilling Program and successfully completed the Azure Data Engineer reskilling assessment from IBM.
- . Got First Price in quiz competition in IBM Azure Data Engineer reskilling program.

EDUCATION

B. Tech in Electronics and Communication Engineering
Uttar Pradesh Technical University- 2016

SSC
Uttar Pradesh Board- 2012

ADDITIONAL INFORMATION

Software Proficiency:

Cloud Technologies: ADF, ADLS, Azure Data Bricks, Azure SQL, Azure DW, Azure Analysis Services.

Microsoft Technologies: SSIS, SSAS, Power BI

Database Languages: SQL, PL/SQL(T-SQL).

Database: SQL Server, Oracle 11g.

Others Tools: Power BI, Azure Portal, SSMS, Sql Developer

Operating system: Windows98, NT, 2000, XP, 7,

Ubuntu Server: Windows Server 2008, Linux

Contact Details

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