

# MOHAMMED AALA

Azure Data Engineer | | Data Warehouse Developer  
| | Business Intelligence Developer



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An efficient, skilled & dynamic Data engineer cum business intelligence developer with comprehensive understanding knowledge and diverse experience in data migration, data modeling, data warehousing and business intelligence solutions. Experienced implementer of innovative databases for expansive and critical datasets with extensive experience troubleshooting bugs and solving technical errors with accuracy and timeliness. Detail-oriented team player with strong organizational skills. Ability to handle multiple projects simultaneously with a high degree of accuracy. To seek and maintain full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills.

## Skills

C#

  
Intermediate

SSIS

  
Advanced

Azure Sql Server

  
Advanced

Azure Datalake Gen2 Storage

  
Advanced

Azure Data Factory

  
Advanced

Azure Databricks

  
Upper intermediate

Azure Synapse

  
Intermediate

Cloudera HUE

  
Intermediate

Data Vault 2.0

  
Upper intermediate

Power BI	■ ■ ■ ■ ■ Intermediate
Crystal Reports	■ ■ ■ ■ ■ Upper intermediate
Qlik Replicate [Attunity]	■ ■ ■ ■ ■ Upper intermediate
SAP Business One	■ ■ ■ ■ ■ Upper intermediate
Oracle PL/SQL	■ ■ ■ ■ ■ Upper intermediate
Snowflake DWH	■ ■ ■ ■ ■ Intermediate
Amazon Redshift DWH	■ ■ ■ ■ ■ Intermediate
Master Data Management	■ ■ ■ ■ ■ Intermediate
Python	■ ■ ■ ■ ■ Elementary



## Work History

2023-01 - Current

### Sr. Data Engineer

*Emirates Group, Dubai*

- Working on a project call "**Revenue Optimization Workbenck [ROWB]**" to facilitate daily data processing for revenue data with respect to various modules.
- Deployed Co-coordinators from CDH [**Cloudera data hub**] to CDP [**Cloudera data platform**] using Azure DevOps & tested the workflows using **Oozie** Framework.
- **Extract Transform** and **Load** data from Sources Systems to Azure Data Storage services using a combination of Azure Data Factory, T-SQL, Spark SQL and U-SQL Azure Data Lake Analytics . Data Ingestion to one or more Azure Services - (Azure Data Lake, Azure Storage, **Azure SQL**, Azure DW) and processing the data in In Azure **Databricks**.
- Created **Pipelines** in ADF using Linked Services/Datasets/Pipeline/ to Extract, Transform and load data from different sources like Bigdata cluster [Helix], Blob storage, Oracle, write-back tool and backwards.
- Developed Spark applications using Pyspark and Spark-SQL for data extraction, transformation and aggregation from multiple file formats for analyzing & transforming the data to uncover insights into the customer usage patterns.
- Working on Data migration from **CDH [Cloudera Data Hub - Helix]** to **Azure Gen2 Datalake** Storage by creating pipelines using Azure Data Factory.
- Implemented the data migration activity both for historical & incremental load across different layers.

- Developed JSON Scripts for deploying the Pipeline in **Azure Data Factory (ADF)** that process the data using the Sql Activity.
- Processing data from **ADLS Gen2** storage to exposing into SnowFlake external schema.
- Implemented **Azure Logic Apps** and Functions to automate business processes and improve efficiency.
- Responsible for estimating the cluster size, monitoring and troubleshooting of the Spark databricks cluster.
- Assisted with day-to-day operations, working efficiently and productively with all team members.
- Maintained technical documentation and led BI solution design sessions, integrations, configurations, and other interface documentation.
- Created Build and Release for multiple projects (modules) in production environment using Azure DevOps tool.

**2021-01 - 2022-12**

## **Lead Data Engineer**

*Volvo Cars Co., Amsterdam*

- Designed and implemented effective database solutions and models to store and retrieve data.
- Explained data results and discussed how best to use data to support project objectives.
- Analyzed complex data and identified anomalies, trends, and risks to provide useful insights to improve internal controls.
- Collaborated on ETL (Extract, Transform, Load) tasks, maintaining data integrity and verifying pipeline stability.
- Developed, implemented and maintained data analytics protocols, standards, and documentation.

**2019-05 - 2020-08**

## **Sr. Data Warehouse Developer**

*Santander Consumer Finance B.V., Utrecht*

- Used strong analytical and problem-solving skills to develop effective solutions for challenging situations.
- Worked closely with Risk & Compliance team to facilitate the data transformations and also followed by implementation of business rules.
- Skilled at working independently and collaboratively in a team environment.
- Extensively worked on **Data Vault 2.0** to redefine the data model followed by processing the data and checked the correctness historical data.
- Proved successful working within tight deadlines and a fast-paced environment.
- Participated in team projects, demonstrating an ability to work collaboratively and effectively.
- Acted as a team leader in group projects, delegating tasks and providing feedback.

**2018-05 - 2019-03**

## **Sr. Business Intelligence Developer**

*MUFG Bank N.V., Amsterdam*

- Worked on "AnaCredit" regulatory reporting project to facilitate end to end data process and to generate robust financial reports in regards to ECB &

DNB guidelines & regulations.

- Designed and implemented scalable applications for data extraction and analysis.
- Designed & implemented SQL Master Data Services [MDS] for configuring attributes and enriching data through Data Enrichment Module [DEM] via SSIS & MDS.
- Worked on data migration to target repository [Wolters Kluwer] and transforming input data as per WK's data foundation language
- Conducted data modeling, performance and integration testing.
- Tested troubleshooting methods, devised innovative solutions, and documented resolutions for inclusion in knowledge base for support team use.

**2017-01 - 2017-12**

### **Sr. Business Intelligence Developer**

*Wipro Ltd., Bangalore*

- Designed and implemented scalable applications for data extraction and analysis.
- Designed ETL processes and develop source-to-target data mappings, integration workflows, and load processes. Design, develop, and implement enterprise-class data warehousing solutions.
- Developed SSIS packages to extract data from different sources i.e. rest APIs like ServiceNow, SalesForce, Sharepoint & external PMWeb tools and load into central repository data warehouse.
- Designed and developed forward-thinking systems that meet user needs and improve productivity.
- Built databases and table structures for web applications.
- Tested troubleshooting methods and documented resolutions for inclusion in knowledge base for support team use.

**2016-04 - 2016-12**

### **Sr. Business Intelligence Developer**

*Royal Cyber Inc., Bangalore*

- Designed and developed analytical data structures.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs, and enhancements.
- Collaborated on ETL (Extract, Transform, Load) tasks, maintaining data integrity and verifying pipeline stability.
- Communicated new or updated data requirements to global team.
- Gathered, defined and refined requirements, led project design and oversaw implementation.
- Designed data models for complex analysis needs.
- Documented and communicated database schemas using accepted notations.

**2013-01 - 2015-01**

### **SAP Business One Consultant**

*Saudi Services Co. Ltd., Riyadh*

- Designed deployment automation solutions to expedite implementation of SAP solutions.
- Prepared installation of Patch Level [PL] upgrade with SAP B1 v8.82.

- Configured and customized SAP modules to align with client business processes.
- Defined mapping from sources to targets using a variety of tools, including Business Objects Data Services [BODS]. Design and develop ETL code to load and transform source data from various formats into a SQL database.
- Configured & integrated Data Transfer Workbench [DTW] for uploading external data into SAP B1 server.
- Tested troubleshooting methods and documented resolutions for inclusion in knowledge base for support team use.



## Education

2002-06 - 2006-05

### Bachelor of Engineering: Computer Engineering

*Biju Pattnaik University of Technology - India*



## Accomplishments

- Awarded with commendation letter from Aligned Energy with outstanding performance on providing effective & robust BI solutions
- Received appreciation for resolving production support issues through consumer testing at Santander.
- Collaborated with team of SPDM, Volvo cars in the development of Spare Parts Data Model.



## Languages

English



Advanced

Dutch



Beginner



## Interests

Community service

Outdoor activities

Learning & Exploring Data Webinars & Events