

Abdallah Ali

Senior Business Intelligence Developer (3+)

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WORK EXPERIENCE

Saudi Human Resources Development Fund (HRDF)

03/2022 — Present

Senior Business Intelligence Developer

- Created and implemented an ETL data warehouse Model from Scratch for storing, processing, and analyzing large amounts of structured and unstructured data From 15 Sources.
- Cloud Optimize data transfer from 6 hours to 15 minutes in some of the Large tables 49 M records
- Design and support all integration processes including migrations to and from new businesses
- Designed an Extract-Transform-Load process to load 200TB of data into a data warehouse using SQL Server Integration Services (SSIS).
- Define the KPIs with the client.
- Develop Reports and Dashboards For more than 5 Departments using SSRS, Power BI (DAX, Power Query), and Publish Reports
- Implemented Power BI Dashboard transaction logging, error handling, and email notifications that led to a 40% increase in productivity.
- Optimized SQL Query processes which improved reporting speed by 70%.

Etisalat Egypt

03/2021 — 03/2022

Business Intelligence Developer

- ensure the quality and consistency of data overall business layers (Sources, ETL layer, destination 'DWH models' analytical and Reporting layers
- Design, develop, and test BI reports using different BI Such AS Tableau
- Dealing with different clients and business users to handle any data quality issues
- Help ETL Team by reducing the number of data access failures in the data warehouse by 10%
- Validate data warehouse models for data integrity, quality, and accuracy
- Work with various business teams to improve BI reporting and analytics.
- Providing analysis and insights to all enterprise departments dealing with different clients.

Business Intelligence Analyst

01/2020 — 03/2022

Working with 10 Clients

Power BI Dashboard and DWH

- made a dashboard analysis to measure customer satisfaction
- Used SSIS to transform survey data by making Transformations and Building Landing, Staging, and DWH Layers before Loading loaded data to the database

Power BI Dashboard

- Analysis of the company Data and knowing what has been accomplished on each project within the company and the date of delivery of each project and determining the priority for each project

Power BI Dashboard for Naft Services Company

- Working with Naft Services in the Kingdom of Saudi Arabia to analyze the company's data, obtain the company's profit, discover the problem of oil loss in it, and try to find the best solutions to reduce the oil loss and Increase the profit of the stations.

Projects

- **Build a Data Warehouse on AWS – [LINK](#)**
 - Building an ETL pipeline that extracts data from S3, stages them in Redshift, and transforms data into a set of dimensional tables for their analytics team to continue finding insights into what songs their users are listening to
- **Build an ETL pipeline Data Lake on AWS – [Link](#)**
 - build an ETL pipeline that extracts their data from the data lake hosted on S3
 - processes it using Spark, which will be deployed on an EMR cluster using AWS
 - Loads the data back into S3 as a set of dimensional tables in parquet format.
- **ETL Model for HRDF DWH – [Link](#)**
 - Responsible for building ETL model for DWH project using SQL, T/SQL, and additional SSIS Develop
 - Make Methodologies to optimize data transfer from different sources (Oracle, SQL server, My SQL, Etc.) to DWH
 - Cloud Optimize data transfer from 6 hours to 15 m in some tables using Lookups, SCD, and Merges
- **Automation of Data Pipelines with Airflow - [Link](#)**
 - Make and automate and monitoring of data warehouse ETL pipelines The source data resides in S3 and needs to be processed in Sparkify s data warehouse in Amazon Redshift. The source datasets consist of CSV logs
- **COVID - 2020 Dashboard Project – [Link](#)**
 - try to answer some of the questions such as Total Confirmed and recovered cases in World and Find the Heights Death rates in World
- **Sales and Target Dashboard – [Link](#)**
 - Try To get some information about sales such as revenue total target and number of customers
 - Using: Power BI, Power BI Server, DAX, Power Query

SKILLS

- **Programming languages:** Python, Java, SQL, T-SQL, SQL Tuning
- **Data Visualization:** Power BI (DAX, Power Query), Tableau
- **Databases:** SQL Server, Big Query, Oracle, MySQL
- **BI Tools:** SSIS, SSAS, SSRS, Informatica Power Center
- **Big Data Tools:** Spark, Hadoop, AWS, Airflow, DBT, Redshift, Glue
- **version control:** GitHub
- **Concepts:** Data Modeling, Data Warehousing, Statistical Data Analysis, Big Data, ETL, Cloud
- **STRENGTHS:** Problem-solving, communication skills, strong organizational, critical thinking

EDUCATION

- Data Engineering With AWS Nanodegree- Udacity Sep 2022-mar 2023
 - Create user-friendly relational and NoSQL data models.
 - Create scalable and efficient data warehouses.
 - Work efficiently with massive datasets.
 - Build and interact with a cloud-based data lake.
 - Automate and monitor data pipelines.
 - Develop proficiency in Spark, Airflow, and AWS tools...
- Sprints Company Sept 2021 - Feb 2022
Training in DWH, Business Intelligence and data warehouses Life Cycle, Data Visualization Power BI, and developing proficiency in Spark, Hive, and Cloudera tools...
- Information technology institute - ITI Jun 2020 – April 2020
 - Database Concepts
 - Cloud Computing and Big Data
 - Data Visualization Power BI
 - Microsoft BI track (SSIS, SSAS, SSRS)
- Fayoum University Sep 2015 – May 2020
Bachelor of Computer Engineering and Systems Engineering

Languages

- English (advanced), Arabic (native)

Volunteer

- Former Public Relations volunteer at IEEE, Fayoum Student Branch.
- Zewail City Friends Fayoum Branch

Personal Information

- Date of Birth: 1/9/1997
- Military Status: Exempted

References are available upon request