



PROFILE

Over 10 years of experience in Software Engineering, data ETL, data mining analysis Spark and Big Data Developer Substantially experience in designing and executing solutions for complex business problems involving large scale data warehousing real time analytics and reporting solutions.

EDUCATION

6 MAY 2001– 6 MAY 2007

Bachelor of Technology
Master of Administration



CERTIFICATION

- Python programming and application
- ML and AI
- Spark
- ETL
- Data WH Design

POSITIONS HANDLED

- Sr Centricity Analyst(2018-Present)
- Business Analyst (2014-2018)
- Big Data Analyst (2016-2017)
- Data Analyst (2014-2016)

PERSONAL TRAITS

- Social thinker
- Ideology driven
- Continuous learner
- Team Player



www.upwork.com/freelancers/~01334cde3ce8ce52c1

ISTIYAQUE AHMAD

WORK EXPERIENCE

1 SEP 2018 - CURRENT - Dubai, UAE

Sr CENTRICITY ANALYST-DATA ENGINEER -Construction

CEMEX TOPMIX LLC

- To Interact with sales head, operation team, customer care team, stakeholder and CEO with their business requirements, meeting to understand **BI Analytics** solution.
- Prepare and close monitor all the Customer Experience Operational **KPI's** to measure and Improve the operational performance in all areas such as schedule availability, on time loading, on time delivery, waiting time, same day cancellation, small loads, GPS off etc.
- To streamline and optimize the data engineering process by developing reusable code in the Databricks environment, creating efficient **data pipelines** using Azure Cloud and **Azure Data Factory**, setting up a scalable data platform, enabling data visualization in Databricks, and optimizing existing Spark applications.
- Write data retrieval **ETL** program to streamline the import of data from various data sources, including **Oracle ERP, Salesforce, Oracle, SAP, SQL**, and Mongo DB, JSON APIs.
- Developed **SSIS** Package for integrating data using OLE DB connection, implemented SSAS Cube as analytic Layer, involved in design and deploy the various SSRS report using **T SQL**.
- Crafted OTD-OTL dashboard with **power BI** utilizing **Azure Data Factory ETL, Synapse**, Spark data bricks and **Tableau** which optimized driver performance up to 95%.
- Build distributed high-performance systems using **Spark** and developing Scala applications for loading/streaming data into NoSQL databases (MongoDB) and **HDFS**.
- Migrated data from Oracle/SQL Server/SQ Lite to **Azure SQL DW**.
- Applied **VerticaPy** and **Machine Learning** techniques by deploying **python** to build dynamic Concrete Pricing Models with 85% accuracy using **TensorFlow**.
- To Monitor issues, optimizing and deployment with Devops team and CI\CD pipeline.
- Performed in **agile** methodology, interacted directly with entire team provided/took feedback on design, Suggested/implemented **optimal solutions**.

1 OCT 2015-1 SEP 2018-DELHI, India

Sr BUSINESS INTELLIGENCE ANALYST- Banking Domain & Finance

HR SOLUTION SOFTWARE Pvt Ltd

- Prepared the technical documents for different BI projects with using UML modelling.
- Conducted ETL in SSIS and Identified facts and dimensions to build a star schema.
- Build Data Pipeline in Azure** – 1) The client gets data every day into Azure Blob storage, 2) Built the ETL pipeline in Azure Synapse and stored the data into SQL Dedicated Pool, 3) Built the Power BI dashboard by connecting the SQL dedicated Pool and automating the entire Dashboard 4) Built Customer Service Ticket Dashboard in Power BI.
- Spotify Data Pipeline**-Developed a web application in python and deployed it in AWS utilizing **MySQL RDS, S3, Route 53** and **EC2** to fetch user's recently played song via the shopify API, store the data in a DB, and provide insights of users listening history and daily activity. Automate and schedule job using **Apache Airflow**.
- Extracted the data from Salesforce and fetched into **Snowflake**. Connected Snowflake and Power BI to build **Call center dashboard** to improve the overall efficiency of service.
- Developed Language Translator Apps using **Machine Learning, Python Stream Lit** and **IBM Watson** and deployed on Heroku for English to Arabic Translation.
- Led the migration from **oracle** to redshift using amazon Athena and S3 resulting in an increase in performance of 20%
- Processed 10 billion real-time bitcoin transaction data using GCP DataFlow, Pubsub, and **Big Query** for analytics.
- Led a team of 3 employees to migrate more than 1500 SQL ETL scripts from Netezza to **Redshift** using **AWS Glue**, resulting in a 44% improvement in performance.

SKILLS SUMMARY

Programming/Scripts

- Python, Pyspark, Scala

Business Intelligence Tools

- Power BI, Power Apps, Tableau, R

Azure Cloud

- Azure Data Factory, Azure Synapse, Function, Logic Apps, Devops, CI/CD

Machine Learning & Deep Learning

- Azure ML, XGboost, SVM, classification, Logistic, Predictive
- Keras-CNN, Tensor Flow, Pytorch

Language

- Arabic, German, Dutch-B2

MSBI STACK

- SQL, SSIS, SSAS, SSRS, T-SQL, PL/SQL, C#

Version Control & Issue Management

- GIT, Agile, Jenkins

AWS Tools

- EMR, S3, Glue, Athena, Redshift, DBT

Orchestration Tools

- Airflow, Power Automate, Shell script, Linux

Big Data Processing

- Hadoop, Hive, Pig, Mongo DB, Kafka, Big Query

Storage & ETL Tools

- Snowflake, Oracle, Vertica, Informatica

linkedin.com/in

istiyak.mba@gmail.com

github.com/Istiyaqueahmad

0589478978 +91-8285078603

Banking Domain

Skill Used:

- Hadoop, R and Pig, Hive
- ML-Clustering
- HBase, Sqoop, Presto, Kafka
- Code review and testing

June 2017-Dec 2017

Telecom Domain Project

Processing 4G usage of a telecom operator to find out potential customers for various promotions. **ETL aggregation**, exploring data set using known tools like Linux commands to understand the nature of data.

Jan 2018-june 2018

Restaurant Recommendation ML Model & POC

Built a Restaurant recommendation System **POC** for checking Model Success Quality Score.
Created a recommendation in Azure ML utilizing the historical data from the Food company based on user rating, and Product attributes.

Jan 2020- May 2020

Digital Email Campaigns- Analytics Project

Designed and developed **ETL**, Data warehouse, cube, and Reports for digital campaigns using **ADF**, logic apps, Share Point, **REST APIs**, Azure Analysis Service, and **power BI**.
Automation saved the clients Lots of time to manually generation of reports.

Jan 2021-March 2021

Retail Inventory ETL and Dashboard- Project

Developed Azure Function and data factory to extract inventory data from **REX system (SOAP) Api, ERP** to azure SQL DB. Created, designed retail inventory dashboard and Model using **power BI** supported DW and **power BI** report.

WORK EXPERIENCE & PROJECT

1 JAN 2015-30 SEP 2015 Gurugram, India

Sr. Big Data Analyst -Banking Domain

Miraci infotech Pvt Ltd

- Analyze banking data using Hadoop components like **HBase, PIG** and **Hive query**.
- Involved in loading data from **Unix file** system to HDFS.
- Extracted the data from **Oracle** database into HDFS using the Sqoop.
- Loaded data from Webservers and Teradata using **Sqoop, Spark Streaming API**.
- Utilized **K-means** clustering algorithm to classify Bank Customer using **R** and **Hadoop**.
- Successfully led the migration of our database system from **MSSQL** to **GCP BigQuery**, utilizing tools such as **AirFlow** and **SQL** script replication, resulting in a **30%** improvement in overall performance.
- Expertly handle billions of rows of data from **Kafka** streaming for daily analytics using BigQuery.
- Built the Hive application to analyze the credit risk of customer, deploy on hdfs and schedule using Cron jobs.

June 2013-Dec 2014 Noida, India

Marketing Data Analyst

Misha infotech Pvt Ltd

- Conducted data mining and data modelling in coordination with finance department.
- Developed complex reports using **SQL** to examine compensation totalling \$4.5 billion for over 100 employees.
- Identified unnecessary shopping's cost, material, saving the company \$65000 annual.
- Analyzed inventory usage and transactions for saving company cost.

1 MAY 2011-MAY 2013 Ghaziabad, India

Research Analyst

RRKS Exim Pvt Ltd

- Collaborate with business stakeholder to understand their requirements and ensure timely delivery of accurate data insight.
- Built **Machine learning model**, tuned hyper parameters and optimized the models for post-prediction analysis.
- Created data models and visualized plots and graphs using **ggplot2, seaborn, plotly** for pre prediction analysis.
- Advised management and team members of risks and opportunities, and recommending actions to meet business objectives based on model analysis.

Project 1.

Forecast the Sales of a Retail - M5 Competition Time-Series, Platy, Python, Light GBM

- Forecasted the sales of 31k products from a large dataset of Reliance Store up to 100 days into the future.
- Generated **distinctive features with EDA** and developed Insightful Visualizations in Platy.
- Experimented with various forecasting models on **9 Hierarchical time-series models** and forecasted sales with **90% accuracy using the light GBM model**.

Project 2.

Detecting Anomalies in Electricity Consumption Time Series, Boosting, AzureML, Plotly, Pandas

- Developed a **Practical Rule-Based Machine Learning Model** to identify **Electric Consumption Anomalies**
- Built an **ML model (XGBoost and Isolation Forest)** and predicted consumption volume for each day using now Extracted Features from the big data.
- With an **accuracy of 85%, several Anomaly Patterns were detected** across four years of time-series data.

Project 3.

Finding Amenities in a house (Object Detection using Deep Learning) Python, Flash API, Linur

- Developed an **end-to-end ML. web application** for detecting 30 Household Amenities using Flask API and GCP.
- With a 50GB OpenImages Dataset, used the YOLOv5 model to detect the object and achieved **mAP@0.5-0.95** of 0.4.

1 NOV 2007-2011 JUNE Obra, India

Computer Teacher

Obra Inter College

- Prepared and executed CS class curriculum for 20-30-person team 20 hours per week.