

SYED HASSAN IKRAM

+92 342 0707007



shassanikram@gmail.com



[linkedin.com/in/syed-hassan-ikram/](https://www.linkedin.com/in/syed-hassan-ikram/)



Karachi, Pakistan



Data Engineer

Experienced Data Engineer with over 3.5+ years of experience designing, building, and maintaining data pipelines for large-scale applications. Proficient in **AWS** and **Azure** services, including **AWS Lambda Functions**, **AWS Redshift**, **AWS Athena**, **AWS Glue Jobs**, **Azure Data Factory**, **Azure Synapse Analytics**, **Azure Databricks**, **PySpark**, **SQL**, **Apache Nifi**, and **Airflow**.

Have strong experience in developing **ETL** solutions and data integration between various data sources. Capable of architecting and building scalable, high-performance, and fault-tolerant data processing systems. Excel in collaborating with cross-functional teams, identifying business requirements, and implementing data solutions that drive actionable insights.

EDUCATION

Institute of Business Administration - IBA, Karachi
Masters of Science in Data Science
2021 – 2024

National University of Computer and Emerging Sciences- FAST, Karachi
Bachelors of Science in Computer Science
2016 – 2020

TECHNICAL SKILLS

- **Languages:** Python, SQL, PySpark, Java
- **Databases:** MS SQL Server, AWS Athena
- **Cloud:** AWS, Microsoft Azure
- **Tools:** Apache NIFI, Apache Airflow, Spark, Databricks

SOFT SKILLS

- Strong organizational and time-management skills
- Exceptional communication and interpersonal skills
- Ability to work independently and as part of a team
- Detail-oriented and able to handle multiple tasks simultaneously
- Problem solver

CERTIFICATIONS

AWS Certified Cloud Practitioner

(<https://cp.certmetrics.com/amazon/en/public/verify/credential/EKBC0M11QF4EQRWK>)

PROFESSIONAL EXPERIENCE

Consultant - Data Engineer

DIGIFLOAT | April 2023 – July 2024

- Created data transformation pipelines that effectively processed and converted data using tools like Azure Functions, Spark Notebooks, and Azure Synapse.
- Implement Full Load and Incremental Load strategies within Spark Notebooks and Azure Data Factory Pipelines to manage data ingestion efficiently.
- Created different layers for data (i.e., raw, curated, landing) on Azure DataLake.
- Write Spark notebooks to merge data into delta tables, facilitating efficient data consolidation and transformation.
- In Azure Synapse, create views based on the delta tables to provide a structured and organized representation of the data.
- Data modeling using Python and PySpark.
- Develop dynamic pipelines within Azure Synapse to move data from the created views to an on-premises SQL Server, ensuring data availability to relevant stakeholders.
- Orchestrate Azure Synapse Pipelines on an hourly basis to ensure data is processed and delivered within defined timelines.

Junior Consultant - Data Engineer

SYSTEMS LTD | January 2021 – April 2023

DIGICEL

- Extracted data from different sources and loaded it on AWS.
- Created different layers for data (i.e., raw, curated, landing) on S3.
- Performed transformations on raw data files using AWS Lambda and placed the files on the layers created on S3, automation of this process was done using AWS CloudWatch Event Rule.
- More transformations were performed using PySpark and finally loaded the data on AWS Redshift.

Regeneron Pharmaceutical

- I was part of the Data pipeline Operations team for around 1.5 years.
- Gave operations support on NIFI, Spark, Yarn, and AWS services with the Data Pipeline Operations team to Regeneron Pharmaceuticals.
- Data ingestion was done using Apache Nifi, files were placed on AWS s3 in parquet format and corresponding tables were created on AWS Athena.
- Post-ingestion was handled using Airflow with Spark jobs.
- Deployed the production changes for Apache Nifi and Airflow.
- Handled critical production issues and resolved them effectively and efficiently.
- Trained a couple of resources for the Data Pipeline Operations team.
- Effectively communicate with clients, sort technical issues and gather new requirements

Data Analyst Intern

Trout Digital | November 2020 – December 2020

- Managed and analyzed Facebook and Google Ads data using Google Analytics.

Junior AI Engineer

XEHEN.AI | August 2020 – October 2020

- Created a customized Slack bot for internal use.
- Created an interview bot In the Facebook ML competition using Wit.ai, which was trained on some basic Python interview questions and users could interact through voice input.