

Esraa Abo EL-gheit

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SUMMARY

Dedicated Data Engineer with a robust foundation in data pipelines, ETL processes, and big data technologies. Proficient in Python, SQL, Apache Spark, and cloud platforms such as AWS and Azure. Skilled in building scalable and efficient data architectures to support analytics and machine learning workflows. Excellent problem-solving, data modeling, and teamwork abilities. Seeking a challenging role to design and optimize data-driven solutions that empower business intelligence and innovation.

TECHNICAL SKILLS

Programming Languages: Python, SQL, Java

Big Data Technologies: Apache Spark

ETL Tools & Frameworks: Airflow

Cloud Platforms: AWS (S3, Redshift, EMR), Azure (Data Factory, Synapse), Google Cloud

Libraries & Tools: Pandas, NumPy, Scikit-learn

Databases: MySQL, PostgreSQL

PROJECTS

Real-Time Data Pipeline for Streaming Analytics

Jan 2023 – Present

Big Data Project

Python, Apache Spark, Kafka, AWS

- Designed and implemented a scalable data pipeline for ingesting and processing streaming data in real-time.
- Used Kafka for data ingestion and Spark for real-time analytics.
- Deployed the solution on AWS, integrating S3 for storage and Redshift for querying.

ETL Workflow for E-Commerce Analytics

Aug 2022 – Dec 2022

Data Engineering Project

Python, Airflow, PostgreSQL, Tableau

- Built an automated ETL workflow using Airflow to extract, transform, and load e-commerce data into a PostgreSQL database.
- Designed data models for efficient querying and reporting.
- Visualized key business metrics using Tableau to provide actionable insights.

EXPERIENCE

Data Engineering Intern

June 2022 – Aug 2022

DataWorks Inc.

London, UK

- Built and maintained real-time data pipelines using Apache Kafka and Spark.
- Improved data processing efficiency by optimizing ETL workflows.
- Ensured data integrity and reliability by implementing automated testing frameworks.

Data Engineer

Jan 2021 – May 2022

TechSolve Analytics

San Francisco, CA

- Designed and implemented ETL processes to transform and load large datasets.
- Developed data models and schemas for efficient querying and analytics.
- Deployed scalable data pipelines on cloud platforms such as AWS and Azure.

Big Data Engineer

Sep 2020 – Dec 2021

Insight Analytics Solutions

New York, NY

- Created distributed data pipelines for processing and storing terabytes of data.
- Managed and optimized a data lake architecture on AWS S3.
- Enhanced data query performance by designing efficient schemas and indexing strategies.

EDUCATION

Suez Canal University
B.S. in Computer Science and Information Systems

Ismailia, Egypt
Sep 2018 – Jul 2022

CERTIFICATIONS

- Python Programming Certification
- Machine Learning and Deep Learning Specialization
- Computer Vision Certification
- Microsoft Fabric Fundamentals