# ISLAM ELSAYED

Junior Data Engineer
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A transitioning Junior Data Engineer with a passion for creating and optimizing data-driven solutions. Eager to apply foundational knowledge of modern data engineering tools in a practical setting. Strong propensity for learning new technologies and committed to continuous growth in the field.

## SKILLS & TECHNOLOGIES

Apache Airflow, Apache Spark, Apache Kafka, Python, GCP, AWS, Azure, DBT, Kubernetes, Terraform, Streamlit, Great Expectations, PowerBi, Data Studio, Shell Scripting, Git, Prometheus, Grafana

## WORK EXPERIENCE

### CONCENTRIX

Team Manager, Concentrix | October 2020 – June 2022

Led a significant turnaround in team performance, exceeding target goals by over 60% and maintaining high level performance throughout my tenure.

- Managed a Microsoft Xbox Technical Support team.
- Implemented data-driven strategies that resulted in a dramatic improvement in team performance, propelling the team from below target to surpassing the goal by a significant margin.
- Initiated a unified documentation system for knowledge and issue management, bolstering resolution metrics and empowering engineers to tackle issues more effectively.
- Utilized data analysis to investigate and address global Xbox issues, presenting key insights to stakeholders and driving solutions through collaboration.

## PROJECTS

### TAXI DATA PIPELINE

Developed a robust and scalable data pipeline serving multiple user profiles and emphasizes data quality.

- Managed Kubernetes and Apache Airflow for reliable data orchestration.
- Integrated Spark, Kafka, and DBT for comprehensive data processing and transformation.
- Extended the data pipeline to support MLOps, using MLFlow for experiment tracking and Streamlit for serving ML model predictions.

### XBOX DATA SCRAPING PIPELINE

Built an insightful data scraping and analysis pipeline.

- Collected Xbox-specific data from various sources using Airflow on Kubernetes.
- Provided insights via BigQuery and Looker Data Studio.

### Easy G.E

A python wrapper package that abstracts away the complexity of Great Expectations and allow for easy no-knowledge-required implementation for non-complex use cases.

## EDUCATION

### MANSOURA UNIVERSITY

Bachelor of Science Civil Engineering | 2010 - 2015