

Amr Elsawalhi *DataEngineer*

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SUMMARY

Detailed-oriented data engineer with practical experience building data pipelines from the ground up. I specialize in transforming messy, diverse datasets into structured formats ready for analysis or production. I value efficiency, scalability and maintainability in every step of the data workflow.

PROFESSIONAL EXPERIENCE

Freelancer Data Engineer & Analyst	06/2025 – Present
Business Intelligence Analyst	03/2024 – 03/2025
<i>AJA, Saudi Arabia</i>	
Collect and clean data from CRM systems, sales reports, and market research.	
Build dashboards and reports to track sales performance.	
Analyze prescription patterns, promotional effectiveness, and market share.	
Senior Product Specialist	2018 – 2024
<i>AJA, Saudi Arabia</i>	
Senior Medical Representative	2014 – 2017
<i>IBSA, Egypt</i>	

PROJECTS

DipSignal: Full Stack Crypto Buy/Sell Signal Pipeline & Dashboard

- Developed a daily pipeline that collects crypto prices, macroeconomic indicators, and financial news.
- Built a custom sentiment analysis component using a local LLaMA-based model to score news articles.
- Engineered logic to feed all of these data to the model to generate daily analysis & recommendations.
- Automated daily CSV updates via GitHub Actions, allowing seamless refresh of a Power BI dashboard.

League of Legends Data Pipeline & Dashboard

- End-to-end data engineering project that automates collection, processing, and visualization of League of Legends match data using the official Riot Games API.
- It features API extraction with rate-limits and logging then updates a PostgreSQL database through pipeline automation using GitHub Actions, and finally displayed on a Power BI / webapp dashboards.

SKILLS

SQL | Python: Pandas, numpy, matplotlib, scipy | **PowerBi | Spark | Microsoft Fabric |**
Git | Airflow | Databricks | Azure Cloud | Shell | Data Modeling

CERTIFICATES

- Data Engineer Associate Certificate 
- Professional Data Engineer Certificate 
- EF SET English Certificate 

EDUCATION

Bachelor of Pharmacy
Zagazig University 07/2014