Ahmad DARWICH

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PROFILE SUMMARY

Currently Data Engineer at Pehnytech. Interested in Programming in general and profoundly passionate about Data Engineering in particular. Searching for a work at a well-established organization to enhance my knowledge, sharpen my skills further and contribute to the organization's success. Seeking to explore, inspire, and get inspired.

Key Competencies:
Programming, Data Engineering, IT, Web Development, Self-Education, Research

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EXPIRIENCE

Data Engineer at Phenytech   Dec 2023-Present
Remotely – France

EDUCATION

Bachelor of Engineering – Computer and Communication Engineering   Oct 2019-July 2024
Islamic University of Lebanon, Saida, Lebanon

Baccalaureate – Life Sciences (with distinction)   Jun 2019
Bilal Fahs High School, Nabatiyeh, Lebanon

PROJECTS

Real-time data processing (Apache Kafka), **Personal Project**   Mars 2024-Mars 2024
- Extract stock-market data from CSV file using python.
- Create EC2 instance and install Kafka inside it.
- Fetch data from CSV to S3 bucket passing by Kafka for real-time processing.
- Used Crawler and AWS Glue to create a table for the data on S3 bucket.
- Used Amazon Athena for analytics.
- Tools: Python, AWS, Apache Kafka.

Web scraping, **Personal Project**   Sep 2023-Sep 2023
- Used python (Beautiful Soop) to extract data from the adidas website.
- Stored data into a local CSV file
- Stored the CSV file into a MongoDB database.
- Used MongoDB chart to create a dashboard to analyze and visualize the data.
- Used Git for version control.
- Tools: Python, MongoDB, GIT

Weather API, **Personal Project**   May 2023-Aug 2023
- Consumed OpenWeather API (https://openweathermap.org/) with exception handling.
- Stored data into a local CSV file then into MSSQL
- Used DBT to aggregate the ingested data using T-SQL
- Used Apache Airflow to orchestrate and automate the ELT pipeline.
- Designed a comprehensive dashboard to analyze and visualize the data.
- Deployed the project on Windows Subsystem for Linux (WSL)
- Used Git for version control.
- Tools: Python, MSSQL, T-SQL, Apache Airflow, DBT, Power BI, WSL, GIT

PHARMA, University Project   Aug 2023-Sep 2023

- Designed and implemented a website for pharmacies that allows customers to book medicines online.
- Creation of a database from 8 tables
- Implemented a view for Login and Signup
- Implemented a view for customers to search for a medicine.
- Implemented a view for search results to display at which pharmacies the medicine is available, if any
- Designed a desktop application using java for pharmacies to manage the medication, reservation, and sales.
- Designed a desktop application for ministry to observe the pharmacies.
- Create a data pipeline to extract data from MySQL database and store it on MsSQL.
- Used DBT to aggregate sales data.
- Designed a comprehensive dashboard to analyze and visualize the data.
- Used Git for version control.
- Tools: PHP, MySQL (phpMyAdmin), JavaScript, HTML, CSS, Bootstrap, MsSQL, Java, Apache Airflow, DBT, Power BI, GIT

CERTIFICATES

Building batch data pipelines on Google Cloud (available on GitHub).   Sep 2023
Azure Fundamentals (AZ-900) (available on GitHub).   Sep 2023
Advanced SQL – Kaggle (available on GitHub).   Sep 2023
Data Cleaning – Kaggle (available on GitHub).   Aug 2023

SKILLS

Industry Knowledge: Data Cleaning/Processing, API Consuming, Web Scraping, Data Orchestration, ELT/ETL, Data Modeling (Dimensional Modelling, Star schema), Bash Scripting, Version Control

Programming Languages: Python, SQL, PHP, Java, JavaScript

Cloud Platforms: AWS, GCP

Software: VS Code, PyCharm, MSSQL, MySQL (phpMyAdmin), MongoDB, Oracle, Git, Power BI, Pentaho data integration.

Platforms: Apache Airflow, DBT, WSL, Apache Kafka, Apache spark (currently).

Languages: Arabic (native), English, French
Interests: Reading, Sports, Hiking