Basel Alyafi

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ABOUT ME

Data engineer who is certified as **AWS Solutions Architect** and Cloud Practitioner. Skilled at orchestrating ETLs with Redshift and Airflow with a profound experience in machine learning. All this gives me full capacity to bring innovation in Data analytics and visualization.

WORK EXPERIENCE

06/2023 – CURRENT Barcelona, Spain
DATA ENGINEER VUELING AIRLINES (THROUGH KNOWMADMOOD)

- Designing efficient multi-pod Airflow DAGs using OOP Python to extract from REST API, transform to schema-compliant JSON on S3, and load it to Redshift tables.
- Utilised event-driven ETLs consisting of AWS API-Gateway, Lambda, and SQS.
- Team's internal data governance validator, also manages team's MS Teams and Sharepoint.

04/2022 – 02/2023 Barcelona, Spain
DATA SOLUTION DEVELOPER DESIDEDATUM DATA COMPANY

Worked on open data and transparency projects for clients of public authorities. Referenced as "The Docker Reference", orchestrated 20 docker-based CKAN solutions using Apache NIFI en AWS EC2.

07/2021 – 04/2022 Istanbul, Türkiye
MACHINE LEARNING ENGINEER (TEAM LEAD) MGS SOFTWARE

- Successfully migrated fourteen DL video surveillance microservices from on-premises to Azure.
- Led the switch from local RabbitMQ and Redis to over eleven Azure services.
- Excelled in combining OOP threading in Python to process over eight camera streams in parallel.

02/2019 – 12/2020 Girona, Spain
MSC THESIS AND RESEARCHER IN TRAINING VICOROB

Trained a generative model of DCGAN to generate 2K realistic breast cancer lesions using Pytorch (**2 publications**).

EDUCATION AND TRAINING

09/2017 – 07/2019 Girona, Spain
ERASMUS MUNDUS UNIVERSITY MASTER'S DEGREE IN MEDICAL IMAGING AND APPLICATIONS
University of Girona

Thesis DCGANS for Realistic Lesions in Breast Mass Augmentation in X-ray Mammography

09/2010 – 07/2015 Damascus, Syria
BSC IN INFORMATICS AND COMMUNICATION ENGINEERING Yarmouk Private University

DIGITAL SKILLS

Creative Thinking | Curiosity | Developing Others | Git | PyTorch | Tensoflow

AWS ETL

AWS Solutions Architect | Airflow | Redshift | MySQL Server | NIFI | Docker | Grafana | RabbitMQ | Fast API