

Sarah Ghaya

Data Engineer

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PROFILE

Data engineer experienced in data migration, ETL, and geospatial data processing. Interested in designing, testing and maintaining data management systems and processes.

WORK EXPERIENCE

Data Engineer

July 2021 - Present

UN-ESCWA, *the United Nations Economic and Social Commission of Western Asia*

- Create and maintain 50+ optimal data pipeline architectures to process data and geospatial data, using Talend as an ETL tool and Python API as GIS tool
- Build analytics tools that utilize the data pipeline to provide actionable insights into customer acquisition, operational efficiency, and other critical business performance metrics
- Identify, design, and implement internal process improvements: automating manual processes, optimizing data delivery, re-designing infrastructure for greater scalability, etc.
- Set up the infrastructure required for optimal extraction, transformation, and loading of data from various sources using SQL and Azure "big data" technologies
- Design data tools for analytics and data scientist team members that assist them in building and optimizing their product into an innovative industry leader

Data Analyst

November 2020 - April 2021

Storyvor, *Video Marketing Company*

- Research market data and conduct data analysis in the design and innovation field
- Implement research findings in business development strategies
- Provide support in the digital transformation process

Sales representative

August 2018 - July 2019

ShareQ, *NGO dedicated to designing innovative solutions for social challenges and implementing them in a collaboration with NGOs & Social Enterprises*

Mathematics teacher

October 2016 - September 2017

St. Joseph School- Daughters of Charity, Zouk Mikael

SOFTWARE & TECHNOLOGIES

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|---------------------|--------------------------------|-------------------|------------|
| • R/Rshiny/Rplumber | • Talend | • Microsoft Azure | • Power BI |
| • Python | • ArcGIS Pro/Online/Python API | • Microsoft SQL | • Tableau |

EDUCATION

Bachelor of Sciences in Physics

October 2013- September 2016

Lebanese University - Faculty of Sciences

Thesis: Utilize Molpro software to compute the spectra produced from star rays, a scientific method known as spectroscopy

LANGUAGES

Arabic: Native | French: Fluent | English: Fluent | German: Beginner