IONITA ALEXANDRU-DUMITRU

DATA ANALYST

CONTACT

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SKILLS

Python, C++ (4 years); SQL (3 years);
Power Apps & BI & Automate, VBA (2 years);
Microsoft Azure, GCP, (1 year)

git, JIRA, Bash

Time Management, Team work,
Analytical thinking, Communication,
Problem Solving

EDUCATION

Bachelor's degree

**"Alexandru Ioan Cuza"
University of Iași**

2018 - 2021

Computer Science and Mathematics

LANGUAGES

Romanian	**Native language**
English	**B2**

OTHERS

Driving license	**B**

PROFILE

Driven by passion and guided by an insatiable curiosity, I am a dynamic professional with a proven track record in the data field. With a solid foundation in mathematics and computer science, I am committed to positively impacting and driving meaningful change in data engineering teams.

WORK EXPERIENCE

Data Analyst

EXPLEO   **2022 - 2023**

- Develop Python scripts for tasks such as connecting to a virtual environmet and performing ETL (Extract, Transform, Load) procedures.
- The creation of applications in Power Apps & Automate.
- The creation of reports and dashboards using Power BI and Cognos to meet specified requirements.
- Work in an Agile environment and actively participate in task selection and estimation, contributing to timely project completion.
- Git for version control and collaborate with team members to resolve any issues that arise.
- Research expertise.

PROJECTS

Uber Data Analytics   **December 2023**

The primary objective of this project is to conduct data analytics on Uber datasets, employing a range of cutting-edge tools and technologies. The project's tech stack includes Google Cloud Platform (GCP) Storage, Python, Compute Instances, Mage Data Pipeline Tool, BigQuery and Google Looker Studio.
Project Phases:
• The project begins with the acquisition of the Uber dataset;
• To efficiently handle and prepare the data, a combination of Mage and Python is utilized for orchestration and ingestion;
• Following ingestion, the raw data is securely stored in two key locations: Google Cloud Storage and BigQuery. This strategic storage approach ensures data accessibility and scalability for future analytics;
• For presenting the results of the data analytics, Google Looker Studio is employed.

Data Distribution   **January 2024**

The main goal of the project is to develop a dedicated Python code for the efficient transfer of large-scale data and simultaneous transmission to pgAdmin. This objective aims at optimizing processes and ensuring efficient information management within the project.
Project Phases:
• Dividing the file into fixed-size fragments;
• Establishing and managing the connection with pgAdmin, including the destruction and creation of tables;
• Grouping data for addition to pgAdmin;
• Sending groups in parallel.

BVB Data Procesing   **February 2024**

The primary objective of this project is to collect historical trading data from the Bucharest Stock Exchange, utilizing a variety of tools and technologies. The project's tech stack includes Google Cloud Platform, Cloud Storage, PySpark, Bash, Python, Cloud Storage, BigQuery and Google Looker Studio.
Project Phases:
• The program begins by creating a Spark session and importing the necessary classes and libraries;
• Retrieving data from the Bucharest Stock Exchange (BVB), adding it to a DataLake, modeling and cleaning the data and storing it in a DataWareHouse;
• Merging the data from the DataWareHouse, and then securely storing the combined dataset in two key locations: Google Cloud Storage and BigQuery. This strategic storage approach ensures accessibility and scalability of the data for future analyses;
• For presenting the results of the data analytics, Google Looker Studio is employed.