

IONITA ALEXANDRU-DUMITRU

DATA ANALYST

CONTACT

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SKILLS

Python, C++ (5 years); SQL (4 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 Iasi
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

March 2022 - November 2023

- Develop Python scripts for tasks such as connecting to a virtual environment 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

Freelance Excel VBA Script Processing

July - October 2024

Developed a VBA script to automate data import and processing from Excel files. The script:
• Imports data based on specified categories (e.g., Supply, Distribution).
• Cleans, validates, and aggregates data, calculating sums and counts.
• Saves results to designated worksheets, optimizing Excel performance by minimizing recalculations and visual updates.
This solution streamlines data workflows in Excel, reducing manual entry and enhancing data integrity.

BVB Data Processing

February 2024

Collected and analyzed historical trading data from the Bucharest Stock Exchange using Google Cloud Platform, PySpark, and BigQuery. Key phases included:
• Data retrieval, cleaning, and storage in a Data Lake and Data Warehouse.
• Merging datasets and securely storing in Cloud Storage and BigQuery for scalability.
• Visualized analytics results with Google Looker Studio.

Data Distribution

January 2024

Developed Python code to optimize large-scale data transfer and integration with pgAdmin. Key phases:
• Divided data files into fixed-size fragments for efficient processing.
• Managed pgAdmin connection, including table creation and deletion.
• Grouped and transferred data in parallel to enhance performance.

Uber Data Analytics

December 2023

Conducted data analytics on Uber datasets using Google Cloud Platform, Mage, and BigQuery. Key phases:
• Acquired and ingested data using Mage and Python.
• Stored data in Google Cloud Storage and BigQuery for accessibility and scalability.
• Visualized analytics results with Google Looker Studio.