IONITA ALEXANDRU-DUMITRU

DATA ANALYST

CONTACT

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- Iași, Romania

SKILLS

Python (3 years)
SQL (3 years)
Power Apps (2 years)
Power BI (2 years)
Power Automate (2 years)
VBA (2 years)
Microsoft Azure (1 year)
GCP (1 year)

git, JIRA, Bash

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

Excel VBA Developer

Freelancer   **June - 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.
Technologies: VBA, ETL

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.

Technologies: VBA, Python, SQL, Power Apps & BI & Automate, Microsoft Azure, ETL

PROJECTS

BVB Data Procesing   **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.
Technologies: PySpark, GCP, ETL, SQL, Bash

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.
Technologies: Python, SQL, ETL

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.
Technologies: Python, GCP, ETL