

Erdison Malko

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PROFESSIONAL EXPERIENCE

05/2025 – Present
Tirana, Albania

Data Engineer, Raiffeisen Bank Albania

- Build and maintain scalable data pipelines on Databricks (AWS) using PySpark, including both batch and streaming workloads, ensuring reliable, low-latency, and high-availability data delivery for business and analytics teams.
- Write and optimize Python, SQL, and Bash/PowerShell scripts for data processing, validation, and automation.
- Orchestrate and schedule data workflows using Airflow, ensuring reliable pipeline execution and monitoring.
- Use Git/GitHub for version control, code reviews, and collaborative development.
- Contribute to and maintain CI/CD pipelines with GitHub Actions, supporting automated deployment of Databricks Bundles.
- Collaborate with stakeholders to translate business requirements into robust, production-ready data solutions.

03/2023 – 05/2025
Tirana, Albania

Python Developer, Webhelp

- Using Python and its modules(`pyspark`, `pandas`, `os`, `sys` etc.) to build scripts that automated data manipulation and processing tasks. Script hosted on Windows VM or Databricks as jobs.
- Developed Python scripts for ETL processes, pulling data from APIs, sFTP servers, and databases, transforming it for internal teams and client-facing applications.
- Utilized Selenium and Requests to perform web scraping, collecting data from internal tools and external websites to support data-driven decision-making.
- Developed and optimized SQL queries in both code(*via ORM SQLAlchemy or pyodbc*) and through SQL Server Management Studio (SSMS) to query and manipulate data in MS SQL Server.
- Developed and maintained REST APIs to ensure seamless integration with various databases, supporting reliable data management for internal systems.

11/2022 – 03/2023
Tirana, Albania

IT Support 2° Level, Sisal Group

- Managed and resolved web application (UI) issues impacting end-user experience, ensuring timely and effective solutions.
- Diagnosed and analyzed problems by reviewing system logs, identifying root causes and implementing appropriate fixes.
- Utilized tools such as Kibana (Elastic Stack) for log analysis and DBeaver for database query and verification, supporting issue resolution processes
- Escalated identified bugs and technical issues to the Production Team for further investigation and resolution
- Communicated resolutions and provided feedback to end customers through customer care channels, ensuring clear and efficient information delivery.

07/2021 – 10/2022
Tirana, Albania

Data Analyst, Impala Digital

- Created Google Sheets/Excel templates and reports using advanced formulas like QUERY, ImportRange, and VLOOKUP.
- Developed and maintained R scripts to analyze data and present it on Excel dashboards.
- Designed and implemented workflows and training materials for new processes, facilitating efficient adoption and execution within the team
- Analyzed large sets of financial transaction data, producing detailed reports for stakeholders and supporting informed decision-making.

- Presented detailed monthly balance reconciliations to the Finance Department, ensuring accuracy and transparency in financial reporting.
- Applied technical expertise and proficiency with data analysis tools to improve team performance and streamline data management processes.

SKILLS

Python | SQL | Django | Web Scraping | Flask | REST APIs | Express.js | MongoDB |
Databricks | Bash | PowerShell | Spark

PROJECTS

03/2023 – 04/2023	Online Portfolio, Personal Website  Link to Github repositories to view more projects.
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COURSES

08/2022 – 03/2023 Tirana, Albania	Python from Scratch, SDA Academy 
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LANGUAGES

Italian | English