

Roey Aharonov

roey132@gmail.com | +972 58-7386157 | linkedin

Creative and hardworking Data Engineer and BI Developer with several years of experience in building data solutions. A motivated, dedicated and passionate co-worker with fast learning skills that manages under high pressure in solo and team projects.

Professional Experience

Freelance Data Engineer

Self-Employed

Jun 2025 - Present

Worldwide - Remote

- Collaborating with clients to understand their data needs and provide tailored solutions.
- Implementing ETL processes using Python, PySpark, and SQL to transform and load data into data warehouses.
- Optimizing existing data workflows to improve performance and reduce costs.
- Providing E2E data solutions, including architecture design and implementation.
- Utilizing cloud platforms (AWS, Azure) for data storage and processing.
- Helping clients to understand the potential of their data and how to leverage it for business insights.

Python PySpark SQL ETL Data Pipelines AWS Azure

Data Engineer

Bank Hapoalim

Aug 2024 - Present

Tel Aviv - IL

- Led E2E Data Lake operations on on-prem servers with Python and PySpark.
- Migrated intricate SAS queries to optimized SQL queries for PySpark.
- Developed robust, reusable ETL pipelines for seamless data migration within the Data Lake using SQL and PySpark.
- Created advanced Python modules to read, update, and overwrite Parquet files based on dynamic parameters and constraints.
- Designed Python classes to efficiently retrieve critical data from the Data Lake for various modules.
- Managed and maintained CI/CD pipelines using Jenkins for streamlined deployment and integration.

Pyspark Python DataLake Jenkins CI/CD ETL

Data Engineer

MatrixDnA

Jul 2022 - Jul 2024

Tel Aviv - IL

- Led and executed E2E data solutions across diverse industries and cloud environments (AWS, Azure) and on-premise setups.
- Designed and deployed new DWH structures in SQL (Oracle, MSSQL, PostgreSQL) and Python.
- Developed ETL pipelines with Spark, Glue, Lambda, S3, Athena (AWS) and Azure Data Factory, Databricks, MSSQL, Azure Storage.
- Performed data normalization for BI systems and DWH using PySpark and Pandas.
- Migrated legacy Python scripts and pipelines to cloud environments (AWS, Azure).
- Architected ETL pipelines for Delta Lakes, integrating multiple data sources (Azure Delta Lake, Oracle, SQL Server).
- Built SQL procedures for ETL processes in MSSQL.
- Managed data migration pipelines in Azure Databricks using PySpark and Spark.
- Designed BI solutions from DWH to dashboards.
- Created bundled Python executables with PyInstaller.

AWS Azure DeltaLake DataBricks ETL Python

Data Engineer & BI Developer

IDF

Nov 2019 - Jun 2022

Ramat Gan - IL

- Provided data insights and managed projects from architecture to development.
- Developed BI dashboards in Power BI, Spotfire, and Python (Plotly Dash).
- Guided tool selection, architecture, and end-to-end project execution.
- Built direct query dashboards with APIs for advanced visualizations.
- Created dashboards for the Ministry of Health's COVID-19 investigations in PBI.
- Standardized data structures for accessible BI usage across military systems.

Python SQL BI Dashboards HTML/CSS

Skills

Tech Stack Python (Pandas/Pyspark) | SQL | Cloud (AWS/Azure) | ETL & Data Pipelines
Extra Skills HTML / CSS / JavaScript | C# | Unity
Hobbies Cooking | Gaming | Game-Development