

Aldiyar Salkenov

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5+ years of experience in data analytics and data management. Hands-on experience in designing and implementing dashboards and data pipelines as part of business analytics. Experience in commercial, humanitarian and scientific fields. Beginner in data engineering.

Work history

Assistant Information and Data Management Officer

UNHCR, April 2023 – December 2024

Almaty, Kazakhstan

- Implemented ETL processes to integrate data from various agency sources, which enabled automation of key performance indicator reporting and reduced data preparation time by 46%. Built interactive dashboards in Power BI.
- Created a monitoring system based on SQL and Python that tracks transactions in real time and automatically detects anomalies, reducing the need for manual checks.
- Developed recommendations for data warehouse architecture and metadata standardization as part of a long-term strategy, improving scalability and data quality.
- Conducted ad-hoc analysis of humanitarian aid trends and built a forecasting model (prophet) for resource planning

Data analyst (Project)

Tansar Capital, March 2024 – June 2024

Almaty, Kazakhstan

- Developed and maintained interactive dashboards using Power BI to monitor Value-at-Risk (VaR), sector exposures, and drawdown metrics, helping portfolio managers mitigate risk during volatile market periods
- Streamlined weekly and monthly risk reporting processes by Python scripts that aggregated exposure data, leading to a 50% reduction in report preparation time and improved accuracy

Senior Lecturer (main position) and data analyst (project)

Astana IT University, December 2020 – August 2023

Astana, Kazakhstan

- Participated in 3 research projects as a data analyst and a data engineer.
 - Ingested real-time air quality data from over 5 IoT devices using Apache Kafka, increasing data reliability and availability
 - Integrated hourly weather data from Open-Meteo API with automated workflows built in Apache Airflow, reducing manual data handling time.
 - Processed and merged large datasets using, stored in PostgreSQL, and built Power BI dashboards to visualize pollutant–weather correlations and areas.
- Designed syllabuses for courses such as “Cloud computing”, “Intro to data analysis”, “Intro to DBMS” and delivered them to students

IT Assistant

UN ESCAP APCICT, September 2019 – November 2020

Incheon, Republic of Korea

- Improved the accuracy of incoming data on the e-learning platform by identifying and resolving key issues in the data collection and processing system.

- Consolidated disparate versions of the database while preserving records and ensuring high data integrity, which enabled accurate analytical processing.
- Supported sustainability reporting, participated in strategy development, and engaged with key stakeholders

Education

Master of Engineering, Information Technology

Gyeongsang National University, 2017 – 2020

Jinju, Republic of Korea

Bachelor of Science in Engineering, Information Technology

Gyeongsang National University, 2015 - 2017

Jinju, Republic of Korea

Bachelor of Technology and Engineering, Control Systems

Shakarim University, 2013 - 2017

Semey, Kazakhstan

Skills

- Data engineering (Apache Hadoop, Kafka, Spark, Hive, Airflow)
- ETL/ELT with DBT
- SQL
- Data analysis with Python (pandas, NumPy, SciPy)
- BI tools (PowerBI)
- A/B testing

Certificates

- “Practical Big Data” course, 2023, <https://bigdatateam.org/certificates?cid=13DMlMvIMfvE9Z41h0VvVuERPd0AzY1jC>
- “Effective Python” course, 2023, <https://bigdatateam.org/certificates?cid=1tX2M-nmQVr8QL3FzApAi-uyNwju0WgHP>