Balázs Járó

Senior Data Engineer

Contact ✉ - jarobalazs@gmail.com 📱 - +36-30-757-1638 🗺️ - Budapest IX.

Experience

SUPERCHARGE

Senior Data Engineer   *Nov. 2023 - Present • 1 year 5 mons*

As a Senior Data Engineer, I specialize in designing and implementing scalable data solutions, optimizing ETL processes, and integrating cloud-based analytics platforms. My experience spans multiple industries, leveraging modern data technologies to enhance efficiency, data quality, and business insights.

Key Contributions & Projects:

✅ **ETL & Data Pipelines** – Implemented **Dagster** as a modern ETL tool, streamlining data workflows across projects. Designed automated ingestion pipelines using **Snowflake**, **BigQuery**, and **AWS S3** to ensure real-time data integration.
✅ **Cloud & Data Warehousing** – Built robust, multi-layered **data warehouses** in **AWS PostgreSQL RDS**, **Snowflake**, and **BigQuery**, supporting scalable analytics architectures. Designed data migration strategies using **Azure Cosmos DB** and **Azure Data Factory**.
✅ **Data Transformation & Analytics** – Integrated **DBT** for efficient data modeling, ensuring consistent and accurate business reporting. Deployed analytics dashboards using **AWS Quicksight** and **Superset** for actionable insights.
✅ **Data Quality & Testing** – Established a data validation framework with **Great Expectations**, enhancing data reliability across pipelines. Developed unit testing solutions to ensure accuracy and consistency in data workflows.
✅ **Infrastructure as Code & Automation** – Leveraged **Bicep files** in Azure for Infrastructure as Code (IaC), improving scalability and maintainability of cloud resources.

Technical Expertise:

◆ Cloud Platforms: **Google Cloud Platform, AWS, Microsoft Azure** ◆ Databases: **BigQuery, SQL Server, PostgreSQL, Snowflake** ◆ ETL & Data Pipelines: **Data Factory, Dagster, dbt, Python, SQL** ◆ BI & Visualization: **AWS QuickSight, Apache Superset, Power BI** ◆ Data Governance: **Fault detection, data validation, and process automation**

AUTOWALLIS GROUP

Senior BI Developer   *Apr. 2023 - Nov. 2023 • 8 mons*

At AutoWallis Group, I was responsible for the **evaluation and development of BI requirements**, ensuring effective data integration and visualization strategies. My responsibilities included:

✅ **BI Strategy & Development** – Assessed and implemented **business intelligence solutions** to support data-driven decision-making.
✅ **Cloud Data Management** – Designed and managed **data integrations, storage models, and ETL workflows** using **Microsoft Azure SQL Server, Data Factory, and Blob Storage**.
✅ **Data Visualization** – Developed **interactive Power BI dashboards**, enabling advanced reporting and analytics.

Technical Expertise:
◆ Cloud Platforms: **AWS, Microsoft Azure** ◆ Databases: **SQL Server, PostgreSQL, Redshift, MySQL, Greenplum** ◆ ETL & Data Pipelines: **Azure Data Factory, Talend, HVR, Python, SQL** ◆ BI & Visualization: **Power BI, Tableau** ◆ Data Governance: **Fault detection, data validation, and process automation**

STARSCHEMA LTD.

BI Developer   *May 2022 - Apr 2023 • 11 months*

As a **BI Developer**, I was responsible for designing and implementing **business intelligence solutions**, focusing on **data pipeline development, ETL processes, and analytics**. My key contributions included:

✅ **BI Development & Automation** – Developed and optimized **ETL workflows** and **data transformation processes** using **Python and SQL**.

✅ **End-to-End Solution Implementation** – Designed, implemented, and tested **BI solutions** based on customer requirements, ensuring a seamless transition to production.

✅ **Data Management & Integration** – Assessed, planned, and implemented **data collection, storage, and processing solutions** to improve data availability and accuracy.

✅ **Technical Documentation & Knowledge Sharing** – Provided **comprehensive documentation and knowledge transfer** to operational teams, supporting long-term system maintenance.

Database Administrator   *Jun 2021 - May 2022 • 1 year*

In my role as a **Database Administrator**, I managed the **operation and optimization of data warehouses**, supporting ETL tools, reporting solutions, and overall data infrastructure. My responsibilities included:

✅ **Data Warehouse Management** – Administered **PostgreSQL, Redshift**, and other database systems to ensure optimal performance and availability.

✅ **ETL & Data Processing Optimization** – Monitored and improved **ETL workflows**, enhancing efficiency in data ingestion and transformation processes.

✅ **Technical Support & Issue Resolution** – Provided **L3-level support**, troubleshooting complex **database, ETL, and reporting issues** for internal teams and end users.

✅ **Version Control & Infrastructure Management** – Maintained database versioning using **GitHub**, managed database permissions, and implemented best practices for data security and governance.

✅ **Cloud & Automation** – Worked with **AWS services**, ensuring seamless integration and scalability of cloud-based data solutions.

Business Intelligence Support   *Sep 2020 - Jun 2021 • 10 months*

As part of the **BI Support Team**, I played a key role in ensuring data integrity, system reliability, and proactive issue resolution for BI operations. My main tasks included:

✅ **Data Quality & Discrepancy Detection** – Monitored and analyzed **data inconsistencies**, assisting BI teams in troubleshooting and resolving data issues.

✅ **Technical Support & Troubleshooting** – Provided **L2-level support**, managing support tickets and ensuring prompt resolution of **database, ETL, and reporting errors**.

✅ **Server & Database Monitoring** – Supervised **server, database, and data loading processes**, collaborating with international teams to maintain system performance.

✅ **Cross-Functional Communication** – Acted as a bridge between **technical and business teams**, ensuring proactive issue resolution and clear communication.

✅ **BI & ETL Tools** – Worked with **Tableau, Talend, HVR, MySQL, Pivotal Greenplum**, and Excel for data processing and reporting.

Technical Expertise:

◆ Cloud Platforms: **AW** ◆ Databases: **PostgreSQL, Redshift, MySQL, Greenplum** ◆ ETL & Data Pipelines: **Talend, HVR, Python, SQL** ◆ BI & Visualization: **Tableau** ◆ Data Governance & Automation: **Fault detection, data validation, version control**

EDUCATION

Mechatronics Engineer BSC • University of Pannonia *2016 - 2020 • Bachelor's Degree, Engineer in Mechatronics*

Economics in Tourism and Catering BA • University of Pannonia *2011 - 2015 • Bachelor's Degree, Economist in Tourism and Catering*

English Language and IT Class • Lóczy Lajos Highschool *2006 - 2011 • Graduation Certificate*

Skills

- **English language (Fluent)**
- **German language (Passive)**
- **Driving license B category**
- **ECDL certificate**
- **AWS Certified Cloud Practitioner Certificate**