

# Senior Data Management Expert (M/F)

## **Job Summary:**

As an expert in this role, you will be responsible for designing and developing scalable and performing data warehouse solutions using data modelling techniques.

You will also be responsible for developing and maintaining ETL/ELT workflows to move data from various sources into the data warehouse using cutting-edge technologies.

You will work with Azure and the Databricks environment to build and manage scalable data processing pipelines, as well as implement data lake and data lakehouse architectures.

Additionally, you will develop and deploy machine learning models and build real-time data streaming pipelines.

## **Key Responsibilities:**

- Design and develop scalable and performing data warehouse solutions using data modelling techniques such as Star Schema, Snowflake, and Data Vault (proven experience).
- Develop and maintain ETL/ELT workflows to move data from various sources into the data warehouse using SQL, Python, and PySpark.
- Work with Azure and the Databricks environment to build and manage scalable data processing pipelines.
- Implement data lake and data lakehouse architectures using Delta Lake and other relevant technologies.
- Develop and deploy machine learning models using MLflow and other relevant tools.
- Use Kafka and other messaging systems to build real-time data streaming pipelines.
- Collaborate with data engineers, data scientists, and other stakeholders to understand data requirements and design effective solutions.
- Troubleshoot issues and provide technical support for data warehouse and data processing systems.

## **Key Requirements:**

- Bachelor's or Master's degree in Computer Science, Engineering, or equivalent work experience.
- 10+ years of experience in data warehousing and ETL development with a strong track record of successful project delivery.
- Expertise in dimensional modelling techniques (**Kimball**).
- Strong coding skills in SQL, Python, and PySpark with a focus on writing efficient and maintainable code.

- Experience working with cloud-based data processing platforms such as Azure and Databricks.
- Knowledge of data lake and data lakehouse architectures using Delta Lake and other relevant technologies.
- Experience in building real-time data streaming pipelines using Kafka or other messaging systems, and a good understanding of stream processing principles.
- Experience deploying machine learning models using MLflow or similar platforms, with a good understanding of machine learning concepts and best practices.
- Strong analytical and problem-solving skills, with the ability to debug complex issues and optimize performance.
- Excellent communication skills, with the ability to explain technical concepts to both technical and non-technical stakeholders.
- Proven ability to work independently and in a team environment, with a track record of collaborating effectively with cross-functional teams.
- Experience working in an Agile development environment, with a good understanding of Agile methodologies and tools.
- Experience with Microsoft Power Platform, including Power BI, Power Apps, and Power Automate.
- A passion for data and a desire to stay up-to-date with the latest trends and technologies in the field.

To be successful in this role, the Senior Data Management Expert will need to be able to work independently and in a team environment, with excellent problem-solving and analytical skills.

He/she should also have strong communication skills, and be able to effectively collaborate with data engineers, data scientists, and other stakeholders to understand data requirements and design effective solutions.

Finally, experience working in an Agile development environment is a plus, as is a passion for data and a desire to stay up-to-date with the latest trends and technologies in the field.