

Azure Data Engineer

About Skymetrix

At Skymetrix, our vision is to power sustainable growth in the aviation industry. Our cloud-based platform helps airlines improve fuel and cost management, supporting better decisions in areas that are critical to aviation business performance.

To support our continued growth, we are looking for an Azure Data Engineer (m/w/d*) to join our European development team on a contractual basis.

*As a company headquartered in Germany, we comply with the Third Gender Law. We believe strong teams are built through diversity and welcome people with different backgrounds, qualities, and capabilities.

Project and data integrations context

Skymetrix is currently operating a **multi-tenant Azure Data Factory (ADF)** architecture with:

- One ADF instance **per tenant and per environment**
- A **mix of shared and tenant-specific pipelines**
- Manual, **rebase-based deployment strategy**, with a **branch per ADF instance**
- Infrastructure managed via **Terraform**
- Secrets currently **not secured via Azure Key Vault**
- One shared **GitHub repo** storing ADF assets

While this architecture has served us well so far, it has become increasingly difficult to maintain and scale as new tenants and data integrations are introduced. The current approach introduces significant manual effort, increases the risk of deployment errors and cross-tenant data exposure, and makes it difficult to evolve the platform efficiently.

Our target architecture must support multiple environments, tenants, pipelines, linked services, datasets, and trigger configurations while maintaining a **single shared codebase**. We are looking for an engineer who can help design and implement an Azure Data Factory architecture and CI/CD framework that is secure, reusable, configuration-driven, and scalable.

Your Responsibilities

After performing an assessment of the existing platform, you will help design and implement a modern Azure Data Factory architecture that:

- Maintains a single reusable codebase across all tenants and environments.
- Eliminates manual duplication of pipelines, datasets, linked services, and triggers through parameterization and reusable components.
- Ensures strict isolation between tenants and environments, preventing any possibility of cross-tenant data access.
- Uses a centralized configuration model to drive deployments and runtime behavior.
- Securely manages tenant- and environment-specific secrets using Azure Key Vault.
- Implements a robust CI/CD process that automatically validates, builds, and deploys ADF artifacts from source control.
- Collaborates with the existing data team to establish best practices for architecture, performance, maintainability, and deployment automation.
- Improve other data engineers' skillset on Azure Data Factory development, deployment strategies, and operational best practices.

Success in this role means delivering an Azure Data Factory platform that is secure, maintainable, reusable, and capable of supporting future growth without increasing operational complexity.

Your Profile

Essentials

We're looking for someone with strong hands-on experience designing and operating **Azure-based data integration solutions**, including:

- **Azure Data Factory**, including Git integration, Live mode deployments, and deep knowledge of pipelines, datasets, linked services, triggers, dataflows, integration runtimes, parameterization strategies.
- **Azure Key Vault** and secure secret management.
- **Azure Functions** integration with Azure Data Factory.
- **Azure Blob Storage**.
- **CI/CD** using GitHub Actions and/or Azure DevOps.
- **ARM template** generation and deployment.
- **Designing multi-tenant architectures** with strong isolation, scalability, maintainability, and operational reliability.
- Experience integrating **REST APIs** and external data sources.

Soft Skills

- Strong **analytical and problem-solving** skills.
- Ability to **evaluate architectural trade-offs** and propose **pragmatic** solutions.
- Excellent **communication** and **collaboration** skills.
- Comfortable **working independently while partnering** closely with software engineers, product managers, and other stakeholders.
- **Ability to mentor and share** technical knowledge with the team.

Experience Level

- **Proven** experience designing and delivering Azure Data Factory solutions in production environments.
- **Experience** leading or significantly contributing to **data platform architecture and deployment strategies**.

Nice-to-haves

- **Terraform** (specifically for Azure infrastructure provisioning).
- Experience with **Microsoft Fabric**.