

Ece Kilickci

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Data Engineer | Data Governance | Process Improvement

Data Engineer with experience across data governance, process improvement, and hands-on pipeline development. Contributed to an ecosystem of 121 DAGs, supported 200+ tables across marketing and operations domains, and helped drive legacy modernization, data mesh adoption, and access automation. Known for bringing structure to ambiguous environments and translating effectively between technical and business stakeholders.

CORE SKILLS

Technical Skills: SQL, Python, Apache Spark, Databricks, Airflow, ETL/ELT, Delta Tables, Terraform, Git

Data & Business Skills: Data Modeling, Data Governance, Data Quality, Documentation, Process Improvement, Stakeholder Management, Cross-Functional Collaboration

PROFESSIONAL EXPERIENCE

Data Engineer FREENOW by Lyft, Berlin, Germany | Mar 2023 - Present

- Build and improve data pipelines across operations and marketing domains, contributing to an ecosystem of **121 DAGs** and supporting **200+ tables** used across multiple European markets.
- Work with **SQL, Python, Spark, Databricks, Airflow, Terraform, and Git** across ingestion, staging, provisioning, and data product workflows, with particular ownership in **3rd-party tools** including **Braze, Salesforce, and Qualtrics**.
- Implemented a **Braze Segments Ingestion DAG** supporting **8 segments** used by analysts and CRM stakeholders; enabled self-service onboarding of new segments through **YAML-based configuration**, reducing recurring engineering involvement.
- Refactored the **Qualtrics ingestion DAG** to address data loss and failures caused by survey changes, improving reliability and reducing maintenance complexity; optimized the Databricks setup to reduce memory requirements by **50% (16 GB → 8 GB RAM)**.
- Automated part of the **data access request process** by building a Python script that updated Terraform-managed Databricks permissions and pushed changes via Git, reducing manual engineering work and accelerating approvals.
- Contributed to legacy pipeline modernization by migrating marketing tables from **Parquet/ORC to Delta** and replacing **INSERT OVERWRITE** logic with **MERGE**.
- Supported the **Marketing Domain rollout** by identifying and categorizing **400+ data assets** and documenting migration, refactoring, deprecation, and ownership actions to support data mesh adoption.
- Created stakeholder-facing documentation, led a **DAG creation workshop**, and built a Databricks notebook for **CO2 data ingestion**, improving enablement and supporting sustainability reporting.

Data Governance Specialist FREENOW by Lyft, Berlin, Germany | Mar 2022 - Mar 2023

- Managed data provision and intake processes across **6 teams**, supporting prioritization and coordination between stakeholders and data leadership.
- Optimized the intake management process, reducing effort spent on JIRA ticket prioritization by **40%** through the elimination of manual tracking steps and improved use of JIRA planning functions such as roadmaps and plans.
- Built and maintained provisioning roadmaps, with particular focus on **3rd-party tools and data provisioning workflows**, improving transparency and planning across teams.
- Successfully transitioned from governance into engineering following organizational change, beginning with marketing-focused provisioning work and building the foundation for a full move into the Data Engineer role.

Junior Quality Assurance Manager Zalando, Berlin, Germany | Dec 2018 - Nov 2021

- Managed quality and compliance oversight for Zalando private label products across shoes, textiles, and accessories for adults and children.
- Improved the **Corrective and Preventive Action (CAPA)** process for suppliers, achieving a **60% reduction in lead time** through the design and rollout of more user-friendly templates and improved process structure.
- Monitored **700+ SKUs annually**, identifying non-compliant products and coordinating corrective actions to uphold quality standards.
- Streamlined multiple manual workflows and achieved a **50% efficiency improvement** by applying **Excel VBA** and **Google Query** best practices to reduce repetitive manual work across spreadsheets and reporting processes.
- Worked closely with suppliers and internal stakeholders to track performance, monitor process KPIs, and support continuous improvement initiatives.

EDUCATION

B.Sc. in Textile Engineering, Istanbul Technical University, Istanbul, Turkey
Exchange Semester, Hochschule Niederrhein, Germany

CERTIFICATIONS

Databricks Academy Accreditation: Lakehouse Fundamentals — Databricks, 2022
Lean Six Sigma Green Belt — Six Sigma Academy, 2022
Linux and Bash for Data Engineering — Duke University, 2025
Python for Data Science, AI & Development — IBM, 2026