

Sahin Cetin – Data Engineer

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Professional Summary

Databricks Certified Data Engineer Associate specializing in scalable data pipeline architecture, business intelligence, and advanced analytics across finance, retail, and manufacturing environments. Built end-to-end data systems, spanning automated ETL orchestration, containerized infrastructure, and PySpark-based processing, alongside Power BI dashboards and machine learning models that drove measurable business outcomes. Applies statistical reasoning and ML techniques including clustering, classification, and anomaly detection to transform raw operational data into reliable, insight-driven intelligence. Collaborates with IT and engineering teams to bridge technical implementation and business decision-making.

Technical Skills

- Data Quality & System Analysis: Data cleansing, gap analysis, and cross-platform data flow mapping; statistical anomaly detection and integrity validation across operational and financial datasets.
- BI Solutions & Data Analytics: End-to-end Power BI dashboard development and metric tracking. Translates complex system logic into user-centric business intelligence and stakeholder-aligned reporting.
- Data Engineering & Infrastructure: Advanced SQL and Python for ETL automation; Apache Airflow, Docker, and CI/CD orchestration.
- System Configuration & Automation: Linux environment deployment, Bash scripting, and parallel workflow orchestration to drive continuous process improvements.

Professional Experiences

Internal Auditor & Analytics Associate, IKEA Retail | *October 2025 – April 2026* | *Malmö, Sweden*

- Developed data quality tracking and reporting workflows within the audit database using PowerBI, creating interactive visualizations to streamline risk monitoring and action/follow-up management.
- Incident Data Analysis: Evaluated cyber incident reports and process; assessed data integrity of escalation logs and recovery metrics.
- Data Governance Assessment: Analyzed cross-system financial data flows to identify revenue recognition anomalies and data quality issues across different markets.

Freelance Data Analyst | *July 2024 – August 2025* | *Remote*

- Utilized Python and SQL to analyze datasets, identifying sales trends and stocking inefficiencies for an apparel store. These analyses provided actionable insights for optimizing product assortment and managing inventory.
- Engineered and automated data pipelines and ETL processes in Python, leveraging PySpark for processing, Pandas for data manipulation, and implementing data quality checks.
- Developed a comprehensive visitor behavior analysis dashboard for a healthcare equipment website, using Power BI to track key metrics such as user flow, bounce rates, and session duration.

Internal IT Auditor & Audit Analytics, Yapi Kredi Bank | *February 2020 – March 2023* | *Istanbul, Turkey*

One of the leading publicly traded private banks in the country, with over 15,000 employees. It is widely recognized for its robust digital infrastructure and banking platforms. | [Yapi Kredi Bank](#)

- Conducted evaluations of IT developments and projects, collaborating closely with IT teams to implement suitable controls by identifying and addressing underlying issues.
- Translated complex technical vulnerabilities to non-technical stakeholders, generated SQL reporting infrastructure for internal control teams.
- Identified significant anomalies in transaction data using statistical analysis, leading to the discovery of potential fraudulent activities and providing concrete intelligence for risk mitigation.
- Supported the development and improvement of internal control reporting tools and infrastructure to ensure data quality and accessibility for reporting and analysis.

Automation Engineer & Data Analyst, Guncel Yazilim | *October 2018 – January 2020* | *Bursa, Turkey*

A technology company providing ERP and automation systems solutions for the textile industry, operating both nationwide and internationally.

- Engineered SQL-based BI reports analyzing real-time IoT device telemetry; optimized data extraction pipelines for manufacturing analytics.
- Engineered a recommendation system using Python and SQL to automate manual fabric sample distribution. Successfully addressed low order conversion rates by engineering a solution that increased the sample-to-order ratio from 0.98% to 4.92% through precise customer targeting.
- Applied data cleaning and processing techniques on large datasets, improving data quality and accuracy for subsequent data mining and machine learning tasks.

Education and Certifications

- **Databricks Certified Data Engineer Associate | *May 2026***

Certifies ability to execute core data engineering tasks on Databricks, including ETL development, job scheduling, performance optimization, and secure data management.

[Credential Link](#)

- **Microsoft Certified: Azure Fundamentals | *August 2025***

Covered core cloud concepts such as compute, storage, networking, and security in Microsoft Azure.

[Credential Link](#)

- **Data Science Certification Programme | Koc University | *September 2021 – June 2022***

Acquired a strong foundation in AI, ML, and DL through a comprehensive certification programme. Gained practical experience in data analysis and modeling by completing lab sessions and data science projects.

- **Bachelor of Science in Industrial Engineering | Uludag University | *September 2015 – January 2020***

Developed a strong foundation in a programme that combined systems analysis, operational research and mathematical modeling to solve complex business problems and optimize operational efficiency. Gained theoretical knowledge and practical skills in programming and statistical analysis. Applied this knowledge to a machine learning-focused graduation project, gaining hands-on experience in building probabilistic models using real-world data.