Emre Kavak
Data Engineer

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About Me

I'm a Data Engineer with a broad focus across different disciplines both in my studies and professional career.
I started my career as a Sales & Product Specialist, then worked as a Backend Developer for one year.
After that, I spent 2.5 years as a Data Warehouse Developer in the banking sector, improving my skills in data modeling, integration, transformation, storage, and visualization. I later worked as a Data Engineer at BtcTurk, focusing on cloud-based data warehouse architectures and large-scale data pipelines.
As of June 2025, I am working at Şekerbank as an Expert Data Warehouse Developer, contributing to enterprise-level data warehouse and modernization projects. I define myself as someone who can learn quickly and efficiently apply new knowledge.

Experience

Şekerbank June 2025 – Present

Expert Data Warehouse Developer

- Leading and contributing to enterprise-scale Data Warehouse and DWH modernization projects
- Managing and executing large-scale data migration projects, including source-to-target mapping, data validation, reconciliation, and post-migration performance optimization
- Developing and optimizing high-performance ETL/ELT processes
- Providing expertise on data warehouse architecture, performance tuning, and best practices
- Mentoring team members and contributing to technical decision-making processes
- Ensuring data quality, consistency, and regulatory compliance in banking data systems

BtcTurk Technology May 2023 - June 2025

Data Engineer

- Designed, developed, and maintained a cloud-based enterprise data warehouse using Azure Synapse Analytics
- Developed and monitored ETL pipelines using Azure Synapse Pipelines, improving data load performance and ensuring reliability across processes
- Integrated data from various structured and unstructured sources including SQL databases, APIs, and Azure Blob Storage
- Experience in data transformation with MongoDB
- Wrote and optimized complex T-SQL queries in SQL Server, including performance tuning for large-scale datasets
- Responded to Ad hoc data requests and collaborated with business users to validate reporting accuracy and derive actionable insights
- Contributed to agile sprints via Jira, including planning, estimation, and delivery of analytics features

Şekerbank Dec 2020 - May 2023

Data Warehouse Developer

- Design and Implementation of many very large systems. (Transactional, ODS, Data Warehouse, Dimensional Reporting Systems)
- Query Analyzing, performance tuning of ODI mappings.
- Strong experience in development, design, preparation and management of architecture of ETL and/or ELT methodology for supporting data transformations and processing ETL Solutions using ODI 11g/12c
- Building and managing a new data warehouse (Data Warehouse Modernization Project)
- Writing complex queries and executing performance-tuning of queries with PL-SQL
- Data Modeling Relational, 3NF, Dimensional, multi-dimensional, BI. Responsible for developing and managing of Power Designer tool
- Development of sending high-frequency notifications(Json format) to TCMB with python and build pipeline with bamboo.
- Hands on experience of Linux Shell environment
- Admin of Automic as scheduling tool
- Nosql MongoDB courses

Westerops 04/2020 - 12/2020

Backend Developer

- Backend architecture experience with Python
- Database creation, integration, and management
- Back-end frameworks to build server-side software (Django)
- Content management system development, deployment, and maintenance
- API integration
- Experience with Django & Django REST framework
- Experience with a SQL-based database such as MySQL
- AWS Cloud Practitioner Essentials course

Projects
- Autowest Westerops 2019
- Digital Workspace Westerops 2019

Westerops 09/2019 - 04/2020

Sales & Product Specialist

Research and identication of potential clients, putting together sales presentations, and serving as a point of contact for existing clients. I was also learning the abilities below at the same time.

Solvia Consulting Services 06/2018 - 09/2018

Internship

- Performed R&D studies on SAP subsidiary Hybris for better integration of the software with respect to customer needs
- Helped deliver software products with high levels of value, usability, quality and predictability to solve our clients' most complex problems.

Kale 06/2015 - 09/2015

Production Intern

- Production process definitions and follow-up
- Time and productivity studies
- Production planning studies

Education

Istanbul Technical University 2012 - 2019

Bsc, Industrial Engineering

Çanakkale High School of Science 2008 - 2012

Skills

| Python | SQL | Business Intelligence (BI) | ETL | Oracle Data Integrator (ODI) | Toad |

| Microsoft SQL Server | Power Designer | Automic | MongoDB | NoSQL | Bamboo | Django |

| Mobaxterm | Microstrategy | SAP Business Objects | Universe Design Tool | Data Analysis |

| Data Integration | Data Warehousing | Data Visualization | Data Modeling | PL/SQL |

| Azure Synapse | SSMS | Reporting | Turkish - Native | English - B2 |