

# Canburak TÜMER

I am an experienced, platform agnostic data smith with professional experience on Datawarehouse modelling, ETL Development and operations, DevOps for database objects and Database Administration of Exasol. I also have knowledge about Machine Learning and Data Science for better communication with stakeholders.

## Technical Skills

SQL	★★★★★
Python	★★★★☆
PL/SQL	★★★★☆
Java	★★★☆☆
Scala	★★☆☆☆
Oracle	★★★★★
Exasol	★★★★☆
Spark	★★☆☆☆
AWS	★★★★☆
Google Cloud	★★☆☆☆

## Languages

Turkish (Native)
English (C1 – Professional)
German (B1 – Intermediate)
Italian (B1 – Intermediate)

## Hobbies

Paragliding, Motorcycle Riding  
Blogging, Photography,  
Travelling

## Personal Details

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**Phone:** +49 178 2467690

**Location:** Biesdorf, 12683 Berlin

## Professional Experience

### **Zalando SE, Berlin,**

*Senior Data Engineer, 07.2020 – still*

- Python, SQL, Shell, Kubernetes, Docker, Airflow, Git, Exasol, BigQuery, PrestoSQL (now Trino), AWS, Google Cloud Platform

*Data Engineer, 04.2019 – 06.2020*

- Python, SQL, Shell, Kubernetes, Docker, Airflow, Git, Exasol, AWS

### **Turkcell Teknoloji, Istanbul,**

*Senior Software Engineer in DWH & BI Unit, 03.2017 – 04.2019*

- SQL, Python, Oracle Data Integrator, Jenkins, Git, Oracle

### **LinkTera Consulting (formerly MAKEIT), Istanbul,**

*Solution Architect, 11.2016 – 03.2017*

- T-SQL, SSIS, MSSQL, Azure

*Datawarehouse Consultant, 01.2014 – 11.2016*

- SQL, Python, Java, Oracle Data Integrator, Oracle

### **Oracle, Istanbul**

*Associate Consultant, 10.2012 – 01.2014*

- SQL, Oracle Data Integrator, Oracle

### **Turkcell Teknoloji, Istanbul,**

*Part-time Software Engineer in DWH & BI Unit, 07.2011 – 07.2012*

- SQL, Oracle Data Integrator, Oracle

## Certifications

Machine Learning Nanodegree,	Udacity,	07.2018
Big Data Analysis with Scala on Spark,	Coursera,	06.2017
Abnitio Technician,	Abnitio,	10.2015
Oracle Database SQL Expert,	Oracle,	10.2014

## Academic Background

### **Ozyegin University, Graduate Courses, 2017 – 2019**

- Data Mining, Data Science, Theory of Computation, Mathematical & Statistical Foundations of Analytics, Algorithms for Data Science

### **Istanbul Technical University, Graduate Courses, 2013 – 2017**

- Machine Learning, Data Mining, NLP, Discrete Mathematics, Distributed Systems, Computer Network Basic Protocols

### **Anadolu University, Bachelor Business Administration, 2012 – 2015**

### **Ege University, BSc Computer Engineering, 2007 – 2012**

## **Professional Experience Details**

### **Zalando SE 2019 – still**

*Google BigQuery Governance:* Some of the data we have, is stored in the Google Cloud Platform and served via Google BigQuery. To comply with GDPR rules there is an ongoing company wide project where I take role of technical contact responsible representing our team, which owns the BigQuery. And I lead a team of developers on this project, which consists of 2 senior contractors and a junior in-house developer. My main role is to communicate with stakeholders and other teams' responsible people in the project and coordinate tasks in our impact area.

*Presto Access Automation:* As an e-commerce company, Zalando has customer data and strict controls complied with GDPR about who can access this data. Approval process is handled by InfoSec teams and then data access is granted by respective platform engineering teams. In Presto case it is our team, providing data access to users can eat up so much time and it is a process that can be automated hence I acted and coded a GitHub Application which collects data access request issues from our user request repository and handles them. Automation is developed by Python; it uses GitHub API and Presto HTTP API and runs on Kubernetes cluster as a cronjob.

*Database Migration to Cloud:* Four different Exasol database clusters have been moved from data centers to AWS Cloud. More than 20 development teams and more than 2000 reporting users were using the system and their daily jobs were not interrupted during migrations. Now they claim to have faster and more responsive database environment. Although some parts of the migrations are handled by CloudFormation template, it also required manual work with S3, IAM, Security Groups, Target Groups, Load Balancers, Endpoints and Endpoint Services of AWS.

*Database Access Automation:* Zalando has a company wide access control system. Our database environment is integrated with this system using Python, SQL, docker and Kubernetes. Now a user can request a role from the aforementioned system, and as soon as role owner approval they will have the role assigned in the database. This reduced daily workload of DBAs and provided a more compliant way of role assignment.

*Database CI/CD Integration:* Database objects creation is moved to corporate CD platform using shell scripting, docker, SQL. This project provides more compliant and secure environment, every object must be pushed to git repository and have successful test deployment and code review. This also reduced stress and workload on DBAs.

*Other Automations:* Using airflow, python and shell scripting automations like unused data deletion, scale up and scale down of cluster, arrange user priorities depending on time of the day, calculate table usage statistics etc.

### **Turkcell Teknoloji 2017 – 2019**

*Technical Lead:* I was leading and mentoring three junior developers for developing pipelines, data modelling and daily maintenance tasks of legacy data warehouse system. Technology stack and languages used were Oracle Database, Oracle Data Integrator, SQL, PL/SQL, Python and JavaScript.

*Project Responsible for Datawarehouse Reengineering:* The data warehouse I am working on was built in 2008 and needed reengineering. A third-party company was hired for design and implementation while we were working on the legacy data warehouse. And I was responsible for design and code review and acceptance for their work.

*Database CI/CD Integration:* To increase code quality and provide operational excellence, we as three solution architects created an initiative, which is later sponsored by our VP, to migrate our codebase to git, automate deployments using Jenkins.

*Solutions Architect:* Being member of the Solutions Architect committee, we were responsible for technical design reviews, technology selection for department wide projects.

*Trainings Provided:* As a part of Turkcell Academy organization, I have provided SQL, Oracle Data Integrator and git trainings to more than 100 developers and data analysts.

### **LinkTera Consulting 2014 – 2017**

*Solutions Architect:* I have modelled a data warehouse from scratch for a client and lead the junior developers during implementation phase. I have also implemented a rule-based recommendation engine for their e-commerce site. And finally, I have supported client on third party partner selection for development tasks.

*Web UI for Oracle Data Integrator:* Desktop UI for Oracle Data Integrator was responding slow and developers were not granted access to production environment logs. I have developed a Java 7 web application to solve this problem client faces. Solution was implemented in 2014 and it is still being actively used in 2020.

*Consulting:* For different clients, I have analyzed requirements, modelled and implemented data pipelines. Set up database and ETL tools for clients' data warehouse projects and provided trainings on how to code data pipelines and operate them. I also led a team of junior consultants for different projects, team sizes were ranged between 3 to 5.

### **Oracle 2012 – 2013**

*Consulting:* In Oracle, our team Datawarehouse and Business Intelligence Consulting was responsible for implementing requests from clients. During this occupation I have completed analysis and development tasks for Turkcell Teknoloji's data warehouse using SQL, PL/SQL and Oracle Data Integrator. Tasks were including both monthly batch data processing and mini batches of 15 minutes of CDRs.

### **Turkcell Teknoloji 2011 – 2012**

*Datawarehouse:* As a part-time software engineer in Datawarehouse and Business Intelligence Unit, I have written SQL, PL/SQL codes and used Oracle Data Integrator tool intensively to implement customer needs and provide data needed in the reports. I have implemented whole Network Parameters subject area alone during this occupation.