

# Canburak Tümer

I am a 10+ year experienced, platform agnostic data professional with experience on Data Warehouse modelling, ETL development and operations, designing and implementing CI/CD pipelines for DataOps, Database Administration for Exasol Database. I also have basic knowledge of Machine Learning and Data Science so I can communicate better with stakeholders.

## Personal Information

Email: [ct@canburaktumer.com](mailto:ct@canburaktumer.com)

Website: <https://canburaktumer.com>

Address: Biesdorf, 12683 Berlin

Languages: Turkish (Native), English (C1), German (B1), Italian (B1)

## Technical Skills

Languages: SQL, Python, PL/SQL, Java, Scala, Shell

Platforms: AWS, GCP, Git, Docker, Kubernetes, Airflow, Oracle, Exasol, Spark, various ETL tools and RDBMS

## Professional Experience

### Google, Berlin, 11.2022 - Still

- *Strategic Cloud Engineer, 11.2022 - Still*

Tech Stack: Google Cloud, Dataflow, BigQuery, Google Cloud Storage, Pub/Sub, Kafka, Python, SQL, kSQL

### Zalando SE, Berlin, 04.2019 – 10.2022

- *Engineering Lead in Data Infrastructure, 07.2021 – 10.2022*

Tech Stack: Python, SQL, Exasol, Docker, Kubernetes, AWS, Git

- *Senior Data Engineer in Data Platform, 07.2020 – 06.2021*

Tech Stack: Python, SQL, Exasol, Docker, Kubernetes, AWS, GCP, BigQuery, Trino (former PrestoSQL)

- *Data Engineer, 04.2019 – 06.2020*

Tech Stack: Python, SQL, Exasol, Docker, Kubernetes, AWS, Git, Shell

### Turkcell Technology, Istanbul, 03.2017 – 04.2019

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

Tech Stack: SQL, Python, Oracle Data Integrator, Oracle, MSSQL, Jenkins, Git

### LinkTera Consulting (former MAKEIT Consulting), Istanbul, 01.2014 – 03.2017

- *Solutions Architect, 11.2016 – 03.2017*

Tech Stack: T-SQL, SSIS, MSSQL, MS Azure

- *Data Warehouse and BI Consultant, 01.2014 – 11.2016*

Tech Stack: SQL, Python, Java, Oracle Data Integrator, Oracle, MSSQL

### Oracle, Istanbul, 10.2012 – 01.2014

- *Associate Consultant, 10.2012 – 01.2014*

Tech Stack: SQL, Oracle Data Integrator, Oracle

### Turkcell Technology, Istanbul, 07.2011 – 07.2012

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

Tech Stack: SQL, Oracle Data Integrator, Oracle

## Certifications

Google Cloud Certified Data Engineer	Google	12.2023
Machine Learning Nanodegree	Udacity	07.2018
Big Data Analysis with Scala on Spark	Coursera	06.2017
AbInitio Technician	AbInitio	10.2015
Oracle Database SQL Expert	Oracle	10.2014

## Academic Background

Anadolu University,  
Ege University,

Bachelor Business Administration,  
BSc Computer Engineering,

2012 – 2015  
2007 – 2012

## Interests and Hobbies

Motorcycles, Blogging, Photography, Travelling, Whisk(e)y Tasting

## Professional Experience Details

### Google 2022 – Still

Strategic Cloud Engineer: As a Strategic Cloud Engineer (SCE) at Google, I act as a consultant for our customers. Depending on the projects and needs of the project, my role can vary from **Data Engineer** to **Data Architect** where I guide the client to the **best fit solution** for their needs. As a Trusted Advisor, my **solution design** is not limited to **Google Cloud** products, I always keep in mind the needs of the client and act for their best interests.

### Zalando SE 2019 – 2022

Engineering Lead: As an engineering lead, my tasks are (including but not limited to) create a healthy team while providing our team a psychologically safe space with crystal-clear direction and vision. I conduct interviews to **grow the team** with correct talents, I conduct 1-1s to understand teammates' desires, blockers and provide them **guidance on how to develop** themselves into the next step. Apart from team members, responsibilities of an engineering lead also cover preparing **operational plan, budgeting, vendor management** etc. On top of that, I still work on technical tasks like customer support, feature development, **technical design** and **code reviews**. During my tenure as a lead, I grow the team size **from 2 engineers to 4 engineers and 1 product manager**. I also **managed multi million dollar budget** for infrastructure, staffing and contractor costs.

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 companywide project where I acted as 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.

Trino Access Automation: As an e-commerce company, Zalando has customer data and strict controls complying 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 Trino case it was our team, providing data access to users can eat up so much time and it was 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 was developed by **Python**; it uses **GitHub API** and **Trino HTTP API** and runs on **Kubernetes** cluster as a cronjob. It reduced manual access processing **by 70%**.

Database Migration to Cloud: Five different Exasol database clusters have been moved from **data centers to AWS** Cloud. More than 40 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. After the migrations clusters became much more flexible and reliable compared to the on-prem setup.

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's 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 Technology 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.

Data Warehouse Consulting: For different clients, I have analysed 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**

Data Warehouse 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 Technology'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 Technology 2011 – 2012**

Datawarehouse Engineer: 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.