

# Canburak Tümer



## Personal & Contact Information

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**Military Service** : Postponed to 01/2018  
**Driving License** : B / A2

## Education

- Istanbul Technical University, MSc Computer Engineering, 2013 - ...
- Anadolu University, Bachelor Business Administration, 2012 – 2015
- Ege University, BSc Computer Engineering, 2007 – 2012
  - Free University of Bozen / Bolzano, BSc Computer Science, 2009 – 2010

## Work Experience

- Turkcell Technology, Senior Software (BI & DWH) Developer, 03.2017 – still
- Turkcell Academy, Trainer, 06.2017 – still
- LinkTera (former MAKEIT) Software and Consulting, Software Architect, 01.2014 – 03.2017
  - Dogus Technology, 11.2016 – 03.2017, Consultant
  - Garanti Technology, 09.2016 – 11.2016, BI & DWH Consultant
  - Dogus Technology, 07.2015 – 10.2015, BI & DWH Consultant, ODI Instructor
  - Ergo Insurance, 04.2015 – 04.2015, BI & DWH Consultant
  - Turkcell Superonline, 07.2014 – 08.2016, BI & DWH Consultant
  - Turkcell, 01.2014 – 08.2016, BI & DWH Consultant
- Oracle, Associate Consultant, 10.2012 – 12.2013
  - Turkcell, 10.2012 – 12.2013, BI & DWH Consultant
- OBSS, Software Developer, 08.2012 – 10.2012
  - Yapı Kredi Bank, 08.2012 – 10.2012, Software Consultant
- Turkcell Technology, 07.2011 – 07.2012, Part-time Software (BI & DWH) Developer

## Certifications

- Big Data Analysis with Scala on Spark, Coursera, 06.2017
- AbInitio Technician, AbInitio, 10.2015
- 1Z0-047 Oracle Database SQL Expert, Oracle, 10.2014
- Oracle Data Integrator Black Belt, Oracle, 06.2014

## Skills

- PL/SQL, SQL, Python, Java, T-SQL, Hive, Pig Latin, MapReduce, Spark, Scala, C
- Oracle DB 10g+, MSSQL, MySQL, PostgreSQL, HDFS
- Oracle Data Integrator 10g+, SSIS, AbInitio, Oracle Warehouse Builder, Oracle Data Miner
- Project Management, Presentation, Organization, Team Lead, Crisis Management



## Trainings and Talks Attended

- TDWI Data Modeling 06.2017
- Trainer Program 06.2017
- TRHUG 2016, 11.2016
- TRHUG 2015, 10.2015
- Advanced ODI 12c, 06.2015
- Oracle Day 2014, 10.2014
- ODI 12c, 06.2014
- TROUG BI&DW SIG, 04.2014
- Oracle Day 2013, 10.2013
- TRHUG 2013, 10.2013
- Hadoop Developer, 07.2013
- Hadoop Workshop, 04.2013
- ODM, 04.2013
- Intro. to AbInitio, 11.2012
- Data Mining Fund. 05.2012
- TROUG BI&DW SIG, 01.2012
- Oracle Day 2011, 10.2011
- Intro to ODI 11g, 09.2011



## Training and Talks Given

- ODI 11g Introduction 06.2017
- Intro. to ODI 11g 10.2015
- Intro. to ODI 12c 09.2015
- Intro to Hadoop 07.2015
- Intro to ODI 11g 02.2015
- ODI 12c New Feat. 04.2014
- Intro to SQL 04.2013



## Languages

- Turkish, Native
- English, Excellent (TOEFL iBT, 101/120, 04.2012)
- Italian, Excellent (Italian Culture B2 Certificate, 100/100)



## Hobbies and Spare Time Activities

- Paragliding, Travelling, Blog writing, Developing apps, Trying new technologies, Riding motorcycle, Amateur radio, SCUBA diving



## Projects Completed

- **Data Migration, Turkcell Technology, 04.2017 – still**  
Having problems with the disk space, we needed to migrate data from traditional warehouse system to Hadoop environment. We are still in technology selection phase, technologies we are considering to use are Sqoop, Spark, AbInitio, Oracle Data Integrator.
- **Data Transfer, Turkcell Tecnology, 04.2017 – still**  
From our subsidiary (KKTCELL) we will transfer data, run data mining algorithms and send the output back to KKTCELL. We are using SFTP, AbInitio and SAS for whole process.
- **Recommendation Engine, Dogus Technology, 11.2016 – 03.2016**  
Using MSSQL, SSIS, T-SQL implemented a rule based personalized event recommendation engine for an e-ticket marketplace. Analysis, data modelling, development and tests are completed by me.
- **ODI 10g to 12c Upgrade tests, Garanti Technology, 09.2016 – 11.2016**  
An in-house upgrade process completed in a spare server. I was responsible to complete a health check on upgraded ODI environment, issues found, reported and four SRs opened to Oracle.
- **Wolfstream, MAKEIT Software & Consulting 03.2016 – 08.2016**  
An in-house project started to develop for H2020 nomination. We were pumping data from Twitter Stream API

by Python to a Kafka topic. Another python process listens to topic and writes incoming messages into an HDFS file. Then we were analyzing data using Hive or Impala to gather insights. The goal of the project was to build a platform for SME's where they can collect related tweets and see sentiment analysis results of the tweets. Project closed after company merger.

- **ODI 12c with Big Data POC, Turkcell,** **12.2014 – 06.2016**  
We were responsible for proving that new version of ODI can work with Big Data flawlessly. We were trying and modifying facilities of ODI which generates, HQL, Spark or PIG Latin code. Result for the POC was negative. We've decided that ODI is not mature enough to generate big data processing code.
- **ODI Repository Browser, Turkcell,** **12.2014 – 06.2016**  
A java based web application for Oracle Data Integrator 11g. Lets users to see the running jobs in ODI production repository, check the running code and variable values. This tool saved a lot of time and personal effort in case of errors. Before this tool, developers sent e-mails to operation contact to get codes and variables etc. which causes workload on both parties and time wasting.
- **CRM Migration, Turkcell Superonline** **12.2014 – 06.2015**  
After client decided to migrate from a third party CRM tool to an in-house developed product. We have worked on the impact analysis of this migration. More than 100 reports migrated to new source systems, migration also covers that source system vendor was changing from Microsoft to Oracle also source tables metadata were changing. All the necessary development run in parallel of in-house CRM development team. And as they go live, our reports also went live without any crash.
- **Next Best Offer, Turkcell Superonline,** **10.2014 – 02.2015**  
Translating SAS codes to SQL, then tuning codes and implementing in ODI 11g completed. A great performance enhancement achieved by translation during the data preparation stage.
- **Fair Value, Turkcell Superonline,** **08.2014 – 01.2015**  
Automating and parameterizing manual SQL codes, all the codes re-written as PL/SQL blocks, which are highly parameterized and re-runnable at the end of the project. They became startable by the client's scheduler system, saving the manual run costs.
- **Never Paid, Turkcell** **06.2014 – 07.2014**  
Implemented data preparation for SAS data mining models, with Oracle Data Integrator. More than 100 features has been calculated for this project
- **ICSM, Turkcell,** **01.2014 – 05.2014**  
Preparing input for Experian's SM product, calculations are made in ODI. More than 900 features are calculated and output is written to a file. After SM's calculations, scores are written into Oracle DB again and this phase is implemented as a parallel execution.
- **CDRDM, Turkcell,** **10.2013 – 11.2013**  
Added new processes to an ongoing project. This project continuously runs ODI jobs and processes CDR files, more than a few billions of records imported to DB every day, and daily reports created for legal entities.
- **Dealer Score, Turkcell,** **12.2012 – 09.2013**  
Preparing data for the dealer fraud scoring models, using ODI and SQL blocks. More than 300 features calculated and given to the model as input.
- **Communication Segment, Turkcell,** **10.2012 – 11.2012**  
Data preparation for data mining model is completed in ODI 11g. Around 30 features are calculated and written to input table of the model.
- **Harmoni, Yapı Kredi Bank,** **08.2012 – 10.2012**  
Inside a huge migration from Oracle Forms to Java technologies project, completed the terminal management

module. Including add or remove terminal, assign terminal to a client, dissociate terminal from client.

- **NODI, Turkcell, 07.2011 – 07.2012**  
A data warehouse project for network target area. Maintenance, adding and editing existing process are my main responsibilities. Also added a new subject area to data warehouse from scratch, added Oracle hints to all processes to increase performance which led to a 4 hours of time saving.
- **Numerous Small Projects, Turkcell / Turkcell Superonline, 07.2011 – 08.2016**  
During my time slot in Turkcell as a part-time developer and consultant. I have completed numerous small projects called “fast tracks”. These are including, adding a new report to data warehouse, adding new columns to existing processes, bug fixing, enhancing performance, big data POC works. Technologies used in fast tracks are, Oracle DB, MSSQL Server, Hadoop, Oracle Data Integrator, PL/SQL, Java, Shell Scripting.