



BURAK SAMED DOĞU

PROFILE

Determined, make a point of self development. Good oral/written communication skills. Experienced and enthusiastic team-work. Creative and time-efficient problem solving

CONTACT

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<https://www.linkedin.com/in/burak-samed-doğu/>

Portfolio:
<https://github.com/burakdoguu>

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Military Service: Completed

HOBBIES

- Playing Guitar
- Gardening
- Draw a character Picture
- Video Games

SKILLS

SQL,Python, Scala, Spark, Kafka,
Docker,MongoDB,Elasticsearch
Microsoft Word, PowerPoint, Excel

WORK EXPERIENCE

Doğsan Rulman - Business Development Engineer **01/2020 – 01/2021**

- According to demand from machine manufacturer customers, visiting to their production fields.
- Identify bearing problems such; clearance,shaft-slot tolerance,lubricant and proper lubricant selection.
- Giving a education seminar to engineer and executive chiefs.

Istanbul Technical University Scholar Student **03/2019 – 08/2019**

- Tubitak-TEYDEB Project as Scholarship Student
- Assist in testing process and result's analysis. Responsible for various laboratories such as mechanics, heat treatment and so on.
- Advice and assist bachelor's degree students in their projects and experiments.
- Report to our advisor about projects and experiments that I was responsible for that week.
- Organize assistance from different consultatns.
- Ensure the supply of materials sent by various companies.

Tamçelik Heat Treatment Quality Control Intern **06/2016 – 07/2016**

- Analysis heat treatment processes control
- Test heat treatment materials and report the results to the advisor
- Arrange the supplied materials for the appropriate process

Süperateş Refractory - Production and R&D Intern **07/2015 – 08/2015**

- Analysis production processes and products development
- Assit the advisor in tests
- Organize a project after the examinations and analysis

EDUCATION

Istanbul Data Science Academy 2022 , Data Engineer & Big Data Bootcamp
Istanbul Technical University, 2018 – 2020, MSc. Production Metallurgy and Technologies Engineering, GPA: 3.00
Marmara University, 2012 – 2017, BSc. Metallurgy and Materials Engineering, GPA: 3.11
Vehbi Koç Vakfı High School, 2007 – 2011

QUALIFICATIONS

Data Engineer Projects:

- **Real-time and batch data pipeline with e-commerce data**
Dataproc cluster was created with integration BigQuery and Google Storage. The json data in Google Storage were sent to spark in real-time with kafka-producer. Also real-time data joined with batch data which came from Storage and created dataframe directly was written in BigQuery hourly. The result of the applied query is scheduled with BigQuery Schedule hourly.
- **İstanbul Data Science Academy Project : BigQuery and Data Studio**
The dataset which created in BigQuery reported in Google Data Studio.
- **İstanbul Data Science Academy Project : InfluxDB metrics calculations schedule with Airflow**
Google Compute Engines created on Google Cloud Platform. Airflow installed using by Docker. Calculations on system metrics in InfluxDB version 2.1.1 were made using by Airflow. Tasks which created in DAG were written on BigQuery.
- **İstanbul Data Science Academy Project : Real time get currently playing Spotify tracks with Kafka**
After kafka installation the created cluster, Spotify API used in code written in python. Song's data was sent kafka producer and was read with in spark-shell real-time how many minutes the songs were listened. In addition, raw-data's were written in BigQuery thanks to Dataproc and Dataflow integration.
- **Spotify Daily Played Songs ETL and Airflow**
ETL process carried out using with Spotify API daily played songs downloaded and wrote Sqlite database. ETL scheduled with a created task in Airflow.

Bachelor's and Master Degree Projects:

- **Istanbul Technical University Master's Degree Senior Project**
Research of Abrasion Behavior of Aluminum and Aluminum Alloy Reinforced with Al₂Cu and h-BN Produced by Hot Pressing
- **TUBITAK-TEYDEB-Scholarship Student**
Development of Alternative Solutions for Improving the Life of Extrusion Molds Used in Valve Production
- **TUBITAK Project-2209A**
BPO₄/PEO Polymer Composite and Electrolyte Material Production for High Temperature Fuel Cell
- **TUBITAK Project-2209B**
Design of Electrospark Deposition Instrument for Die Repair

COURSES-CERTIFICATES

İstanbul Data Science Academy

- Linux
- SQL
- Kubernetes
- Docker
- NoSQL(MongoDB, ElasticSearch)
- Google Cloud Platform
- InfluxDB
- Airflow
- Databricks Apache Spark
- ETL

Google Cloud

- Google Cloud Big Data and Machine Learning Fundamentals
- Google Cloud Fundamentals: Core Infrastructure
- Google Cloud Fundamentals: Core Infrastructure:5
- Google Cloud Big Data and Machine Learning Boostcamp

Udemy

- Python
- Apache Spark with Scala
- Apache Spark with Python
- Kafka
- ElasticSearch
- Certified Quality Engineer Training Program;
APQP,PPAP,FMEA,Kontrol Planı,MSA,Global 8D,5S