



# Emre Balsever

Python Backend Developer | DevOps | Data Engineer

## 👤 Profile

I am a Python Backend developer with more than 7 years of experience in Python, SQL, and 3 years of experience in Cloud services.

Recently, I have been working as a developer in the European Union project to develop back-end and visualization (GUI) for the large-scale database at KTH Royal Institute of Technology.

I specialized in system design and development of overall service pipelines using many tools and techniques in Python, Bash, and SQL. The pipelines also included cloud services.

Also, I am a Doctoral student in Deep Learning. I have +3 years of experience with TensorFlow. Recently, I have been working on 6D pose estimation(Object detection, transfer learning). (DataBricks(or Horovod) and TensorFlowOnSpark)

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Currently, I am looking for a great opportunity to combine all of my experiences as a developer & researcher on overall system design & development.

## Details

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## Links

[Interactive CV](#)  
[ResearchGate](#)  
[LinkedIn](#)  
[GitHub](#)

## Skills

Machine Learning  
Deep Learning  
Apache Spark  
Data Analysis  
Python  
SQL  
CI/CD  
AWS - GCP - Azure Cloud Services

## 🎓 Education

### Visiting Researcher | Computer Science, Halmstad University

January 2022 — June 2022

Learning Systems

Big Data Parallel Programming

Deep Learning

### Doctoral Student | Computer Science, Istanbul University

September 2019 — December 2022

Big Data Parallel Programming

Natural Language Processing

### M.Sc. | Electric and Electronics Engineering, Istanbul University

September 2016 — December 2018

I was a member of Computational Intelligence and Machine Learning Research (CIML) Lab .

Topic: Estimation of energy consumption demand with artificial intelligence methods

### Bachelor | Electric and Electronics Engineering, Fatih University

September 2010 — June 2015

Topic: Autonomous Traffic Assistant Implementation using FPGA

## Employment History

### **Python Backend & GUI Developer at KTH , Stockholm**

June 2022 — Present

I support the research team in the Nanochemistry Lab with the various software modules. I help them to store experiments' data in a manageable way, analyze using ML, and report using visualization tools. In this way, they have a chance to focus on their research topics and find their way through the experiments' data.

### **Data Engineer at RNV Analytics, Istanbul**

October 2021 — June 2022

I designed and developed the stock allocation service(K-libre) by designing an algorithm on the Apache Spark engine. This made it possible to predict weekly +100k sales for +10k products with various sorties for more than 100 stores in less than 1 hour per client.

### **AI/ML Developer at Entertech Istanbul, Istanbul**

January 2021 — June 2021

I worked both on backend development and NLP model design on a web platform for text generation.

### **AI/ML Developer at ITU Cekirdek, Istanbul**

January 2020 — December 2020

I designed the hardware and software of Firearm detection device using Raspberry Pi as a portable security device.

### **Software Developer at Corvisio, Istanbul**

June 2019 — November 2019

I worked as a full-stack developer on CRM & OKR software.

### **Backend & System Design Engineer at Branson GPU Farm, Istanbul**

January 2018 — April 2019

I worked as a backend system developer and as well as a network engineer on a mining cluster in bash scripting and python.

### **PLC Programmer | Automation Engineer at Golday Kauçuk, Osmaniye**

August 2016 — December 2016

- Performed minor maintenance and repairs on PLC machines and equipment as necessary.
- Oversaw production to ensure safe practices and equipment function.