



Emre Balsever

Python & Backend Developer | DevOps | Data Engineer

👤 Profile

- Python Developer with 7 years of experience in Python, SQL, and 3 years of experience in Cloud services.
- Currently, I have been working at KTH Royal Institute of Technology in the European Union project to develop backend and visualization tool (GUI) for the large-scale database.
- I specialized in system design and development of overall service pipeline using Apache Spark and Airflow in Python, Bash, and SQL.
- I almost finished my Doctoral studies in Computer Science / Deep Learning / NLP. I have 3 years of experience with TensorFlow.

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Intentions:

I am interested in parallel computing and parallelization of deep learning models (e.g. transformers) to make DL accessible for anyone and usable on any device.

Details

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Links

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

Skills

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

🎓 Education

Visiting Researcher | Computer Science, Halmstad University

January 2022 — June 2022

- Development and application of Object Pose estimation for an industrial robotic arm with Scalable TensorFlow model on Spark Engine.

Doctoral Student | Computer Science, Istanbul University

September 2019 — December 2022

- Member of Computational Intelligence and Machine Learning Research (CIML) Lab
- Machine translation with Sense Embedding

💼 Employment History

Data Engineer at KTH Royal Institute of Technology

June 2022 — Present

- Database & Backend design | Data migration | GUI & Visualization
- Storing experiments' data in a manageable way, analyzing using ML, and reporting using visualization tools.

Data Engineer at RNV Analytics

October 2021 — June 2022

- Designed and developed the stock allocation service(K-libre) by designing an algorithm on the Apache Spark engine on AWS for millions of data records per process.

AI/ML Developer at Entertech Istanbul

January 2021 — June 2021

- Worked both on backend development and NLP model design on a web platform for text generation.

AI/ML Developer at ITU Cekirdek

January 2020 — December 2020

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

Software Developer at Corvisio

June 2019 — November 2019

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

Backend & System Design Engineer at Branson GPU Farm

January 2018 — April 2019

- 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

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.