

BARIS SARI

Software Developer

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EDUCATION

Istanbul Technical University
BS in Computer Engineering (GPA: 3.00/4)

Istanbul, Turkey
Sep 2013 – Jun 2018

Wroclaw University of Science and Technology
Exchange Student in Computer Science

Wroclaw, Poland
Sep 2016 – Oct 2017

EXPERIENCE

Upwork
Python Developer

Remote
Nov 2019 – Present

- A top-rated plus developer (a privilege for only the top 3% freelancers on Upwork).
- Developing an open-source Python library to be used in the parsing and collation of data to be used in platform-based spatial analysis. Tech stack includes SQLAlchemy for ORM, Alembic for database migration, Geoalchemy2 for Spatial extensions, pytest for testing, Github Actions for CI. (Working as a part-time Python Developer since 02/2020)
- Used TDD and Clean Architecture in a project that has many FastAPI microservices.
- Contributed to a few open-source Django projects of Code for South Africa. Introduced new libraries, reduced all current bugs/issues to almost zero, wrote many unit tests.
- Developed 4-5 different data preprocessing pipelines and trained models for Topic Modeling using Scikit-learn, spaCy, nltk, pandas, Google Colab and Jupyter Notebook.

George Brown College
Part-time Fullstack Developer

Remote
Dec 2019 – Jan 2021

- Set up and enlarged the backend; Django, MySQL, frontend; HTML, CSS, and Javascript(JQuery), and server; Linux RedHat Server sides from scratch for two projects.

Bigdata Teknoloji A.Ş.
Backend Developer

Istanbul, Turkey
Jan 2019 – Nov 2019

- Joined the company as employee #4 and was only backend developer of the PoC project.
- Used Dockerized Linux, PostgreSQL, Neo4J, Elasticsearch, Python, and React stack to develop and maintain the PoC.
- Managed two EC2 instances on AWS for the frontend and the backend side.
- Generated 12+ million of a synthetic Trade data of Investment Adviser company using real-time tick price data and Turkish market exchange data(over 25 million rows).
- Used Git for version control, Swagger UI for API development, Jira for Project Management, Agile/Scrum as methodology.

Anryze
Data Scientist

Kyiv, Ukraine
Oct 2018 – Dec 2018

- Manipulated a state-of-art object detection library (Mask R-CNN) for segmenting people from images and videos in real-time.
- Trained two KNN models for face recognition, the first one labelled unsupervised face data of the company using face_recognition, and the second one trained with the supervised data.

Softtech

Engineering Intern

📍 Istanbul, Turkey

📅 Jul 2018 – Aug 2018

- Visualized a large graph(700+ nodes, 1000+ edges) using networkx and Neo4J. Created an algorithm in order to find the longest path in the graph, which couldn't find running queries on Oracle or Neo4J Databases.

BSH Turkey

Network Intern

📍 Istanbul, Turkey

📅 Jun 2018 – Jul 2018

- Focused on Network Automation. Completed a project that traverses all Cisco Network Devices by SSH connections, collects all the IP addresses and general information of the devices.
- Improved performance of the project by 90% using multi-threading. [↗](#)

SKILLS

Proficient:

- Python, within Docker, Linux, Django, PostgreSQL/MySQL stack (+1.5 year in production systems).
- Python for Data-related projects for 3+ years.
- GitHub/Bitbucket for 3+ years. [↗](#)
- Javascript (jQuery, Vue.js), HTML, CSS for 1 year.

Worked in:

- C++ [↗](#), Neo4J, Matlab, Go for university assignments.
- FastAPI, Flask for backend development.

Soft Skills:

- Dedication, Punctuality, Desire to Learn, Enthusiasm, Honesty, Analytical Thinking, Communication, Problem Solving, Researching, Willing to Accept Feedback.

PROJECTS

Rule-Based Collision Avoidance System

Bachelor Thesis

📅 Sep 2017 – Jul 2018

- Surveyed CNN models on Tensorflow for 4 months, created 3 different datasets for training models, yet didn't use them at the final stage of the project. [↗](#)

CERTIFICATES

Advanced Data Science with IBM Specialization [↗](#)

Coursera

📅 Dec 2018 – Present

Leadership Development Experience Certification [↗](#)

AIESEC

📅 Dec 2018 – Present