

# BARIS SARI

## Software Developer

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🌐 BarisSari

📍 Istanbul, Turkey

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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

Feather  
Backend Engineer

📍 Berlin, Germany  
📅 Mar 2021 – Present

Upwork  
Software Engineer

📍 Remote  
📅 Nov 2019 – Mar 2021

- 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.

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## 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.

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## 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. [↗](#)

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## SKILLS

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### 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.

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### Worked in:

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

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### Soft Skills:

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

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## PROJECTS

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### 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. [↗](#)

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## CERTIFICATES

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

#### Coursera

📅 Dec 2018 – Present

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### Leadership Development Experience Certification [↗](#)

#### AIESEC

📅 Dec 2018 – Present