**S O F T W A R E
D E V E L O P E R**

O N U R   A R I K A N

C O N T A C T

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A B O U T   M E

I am a Computer Engineer with 2 years of experience, seeking a role in IT with a Poland-based company. I hold a long-term work permit and live in Gdynia. My strong personal connection to Poland makes me commited to building my future here and I am constantly improving my Polish. My expertise is focused on back-end development, with a strong focus on Python, as well as various programming languages and database technologies. I am proficient in web development frameworks and always striving to expand my knowledge. I adapt quickly, contribute effectively, and communicate well within a team.

W O R K   E X P E R I E N C E

Software Developer: | **MRC Türkiye** | | Ankara | Turkey
2024 May - September [5 months]

Technologies: C#, Python, WinForms   References

- Developing software in Python to analyze yearly benchmark data of pioneer electricity distribution companies and generate reports on key performance indicators (KPIs).
- Developing software for Spatial Load Forecasting (SLF) using C# and WinForms.
- Implementing verification algorithms to ensure data accuracy in SLF applications.
- Designing and executing imputation strategies for handling missing data in SLF models.

Backend Developer: | **Parabol** | | Ankara | Turkey
2023 May - **2024** January [9 months]

Technologies: Python, REST APIs, GTFS, Pandas, FastAPI, PostgreSQL   References

- Developing algorithms for optimization for public transportation using Google's General Transit Feed Specification (GTFS).
- Algorithmically producing stops from the city stop data for given route.
- Optimization for origin-destination algorithms.
- Developing and testing REST API endpoints.
- Backend development with FastAPI.

Instructor: | **Kodland** | | remote | Turkey
2023 March - December [10 months]

Technologies: Python, Turtle, Pygame Zero

Python instructor at online classes. Students begin by learning the fundamentals of programming and graduate from the course by obtaining the necessary skills to develop their games.

Intern: | **MBS Systems s.c.** | | Elbląg | Poland
2022 July - September [3 months]

Technologies: Python, Django

Writing unit tests for Django models. Gained experience in foreign work environment.

Intern: | **Netaş Telecommunication Inc.** | Ankara | Turkey
2021 July - September [3 months]

Technologies: Javascript, Node.JS, Gherkin, Cucumber.JS

Writing end-to-end tests for Export Control System in Gherkin, using Cucumber.JS and Node.JS

S K I L L S

- Python
- Django
- Pandas, NumPy
- Pygame
- FastAPI
- C
- C++
- C#
- Java
- JavaScript
- SQL

D A T A B A S E

Postgresql | Sqlite

T O O L S

Spyder | Docker | Visual Studio | Vim
PyCharm | Git | Notepad++ | Linux

P R O J E C T S

Formula 1 Fantasy League: An online guessing game for Formula 1 developed in Python's Django framework which requires budget management and strategy skills, first and only one in Turkey, played by hundreds of people.   https://formula1turkiye.pythonanywhere.com/

Formula 1 Elo Project: The analysis of 75 years of Formula 1 qualifying data using Python's Pandas library and Elo system,in order to rank all the F1 drivers in history by their scores against the other drivers.   https://tinyurl.com/formula1turkiye/pages/elo/#en

SPLENDID: Intelligent design system for the board game called Splendor, being developed through Django and Channels; a web application that can be played as multiplayer or against AI in real time. It uses a robust and modern authentication system and Elo rating system for ranking and matchmaking.   https://senior.ceng.metu.edu.tr/2024/SPLENDID/

Flagsweeper: Multiplayer version of Minesweeper, written in Python's PyGame library.

L A N G U A G E S

- English: proficient C2
- Turkish: native speaker
- Polish: intermediate B1
- Japanese: elementary A2

E D U C A T I O N

University: Middle East Technical University, Ankara, Turkey
Bachelor of Science in **Computer Engineering**
Language of studies - English