

BUĞRA ALPARSLAN

DevOps Engineer

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EXPERIENCE

DevOps Engineer

Peaka Inc.

📅 November 2022 – Present

📍 Ankara, Turkey

- Creating and maintaining CI/CD pipeline using Jenkins.
- Writing infrastructure scripts using Bash.
- Writing Helm scripts of Peaka services.
- Implementing monitoring and alerting systems for full availability.
- Implementing custom services in Python which includes a web page that allows developers to make custom deployments on stage environments using Flusk, an exporter that exports alerts from Prometheus to Notion, another exporter that exports sign in/sign up activity of users from Elasticsearch to Iceberg catalog.

Research Intern

Middle East Technical University

📅 July 2021 – July 2022

📍 Ankara, Turkey

- Created a network traffic dataset of software-defined networks on a Kubernetes environment.
- Developed machine learning based few-shot intrusion detection and prevention models. Related article

Research Intern

University College Dublin

📅 July 2020 – October 2020

📍 Dublin, Ireland

- Automated collection of Delhi's weather pollutant data from web.
- Analyzed and processed the data.
- Used SARIMA method to make short-term time series forecasting.

PROJECTS

ILMoS - Intelligent Library Monitoring System

- Mobile app allowing users to display desk usage status of libraries/study halls using camera footage.
- Implemented backend functionalities using Django, PostgreSQL and Django REST Framework.
- Achieved a 4th rank among 25+ graduation projects.

PUBLICATIONS

- B. Alparslan, M. Jain, J. Wu, and S. Dev, Analyzing Air Pollutant Concentrations in New Delhi, India, Proc. Progress In Electromagnetics Research Symposium (PIERS), 2021.
- Y. Sever et al., "An Empirical Analysis of IDS Approaches in Container Security," 2022 International Workshop on Secure and Reliable Microservices and Containers (SRMC), Vienna, Austria, 2022, pp. 18-26, doi: 10.1109/SRMC57347.2022.00007.

EDUCATION

Computer Engineering

Middle East Technical University

📅 Sept 2017 – July 2022

GPA: 3.63/4.00

High Honor

Graduate

Undergraduate Curriculum

SKILLS

Python C/C++ Docker
Kubernetes Helm Jenkins
PostgreSQL Ansible Git Linux
Django Framework

CERTIFICATES

- Using Python to Access Web Data - University of Michigan, Coursera
- Machine Learning - Stanford Online, Coursera

HOBBIES/INTERESTS

Piano History of Fine Arts