

Furkan DOĞAN

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Education

- Middle East Technical University, Ankara, Turkey 09/2020-02/2022
Master of Science, Computer Engineering
- Middle East Technical University, Ankara, Turkey 09/2014-06/2020
Undergraduate, Computer Engineering

Professional Experience

- **Software Engineer**, Lighter, USA (Remote) 05/2021-07/2024
 - Built and optimized **CI/CD pipelines**, preview environments, and staging deployments to streamline development workflows.
 - Enhanced system reliability through advanced monitoring, tracing, and chaos testing frameworks integrated with **Grafana** and **Victoria Metrics**.
 - Designed scalable data solutions with **Parquet**, **Athena**, and **DynamoDB**, improving query performance for historical data.
- **Lead Software Engineer**, Haystack Analytics, USA (Remote) 05/2021-07/2024
 - Spearheaded the migration and optimization of the entire analytics infrastructure, reducing dashboard load times from **CloudFlare timeouts** to under **~1 second**, enabling efficient data-driven decision-making for engineering leaders.
 - Developed and introduced new metrics to quantify **engineering productivity**, facilitating data-driven insights and decisions.
 - Successfully managed a **team of 6 developers**, overseeing server setup, test and development infrastructure, and implementing automated CI/CD pipelines to streamline software development and deployment processes.
- **Software Engineer**, Bottomless, USA (Remote) 12/2020-05/2021
 - Led bug resolution and system improvements, enhancing the reliability and efficiency of a **smart subscription system**.
 - Developed and optimized web pages using **React**, **Express.js**, and **MongoDB**, delivering seamless user experiences.
 - Implemented a **fully automated data training pipeline** utilizing **AWS Sagemaker**, **S3**, and **CloudWatch**, improving data analysis and modeling capabilities.
- **Software Engineer**, Neurocess Inc., Turkey 07/2019-12/2020
 - As a founding engineer, pioneered the development of a **real-time sensor system** for injury prevention and training optimization.
 - Ensured the system's security, reliability, and maintainability by configuring servers for **real-time data** collection and visualization.
 - Developed **machine learning** models for data analysis and created a labeling application for datasets using Python and matplotlib.
 - Implemented **Bluetooth** and **Wi-Fi connectivity** between **servers and sensors**, enhancing data collection capabilities.
- **Software Engineer**, Quanimio, Turkey 05/2019-07/2019
 - Developed a **video platform** for medical students and an exam tracking system for primary and mid schools from scratch.
 - Leveraged **Java Spring Boot**, **PostgreSQL**, and **React** to create robust and user-friendly applications.

- **Back-End Developer Intern**, Otsimo, Turkey 06/2019-08/2019
 - Contributed to various tasks, including generating weekly reports, transferring analytics data from **MongoDB** to **BigQuery**, and utilizing **Go**, **gRPC**, and **protocol buffers**.
 - Assisted in improving user analytics and data processing, enhancing the overall data analysis infrastructure.
- **Software Engineer**, NETAŞ, Turkey 09/2018-12/2018
 - Contributed to the E-Tuzel (Central Registry System) project as a **full-stack developer**, focusing on the development of CRUD pages.
 - Assisted in tracking team member productivity by contributing open-source project gitinspector.
 - Gained experience in **Java Spring Boot**, Primefaces, and various database systems within a **micro-services architecture**.
- **Alexa Developer**, Otsimo, Turkey 02/2017-09/2017
 - Developed and deployed multiple **Alexa skills** designed to help children learn numbers and letters by utilizing voice recognition capabilities.

Additional Activities & Certificates

- METU High Honor Certificate (2018-2019 both semesters, 2019-2020 spring)
- METU Honor Certificate (2019-2020 fall)
- IOS and Android App named Kardo with 150k download

Club & Association Memberships

- IEEE - METU, Vice Chairman 04/2018-06/2019
- METU AR-GE Club, Cofounder and Vice Chairman. 06/2016-06/2017