

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

- **Lead Software Engineer**, Haystack Analytics, USA (Remote) 05/2021-Present
 - 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 microservices 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