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**, 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**, Quanimo, 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