Fehmi Sener

Phone number: (+49) 17687042569 **Email address:** fehmiisener@gmail.com

LinkedIn: linkedin.com/in/fehmiisener **Website:** fehmisener.github.io

Home: Sintpertstraße 50, 81539 München (Germany)

ABOUT ME

A software developer who is deeply passionate about researching, learning, and innovating in the field of computer science. Currently employed as a Software Developer at Garanti BBVA Technology. I have a strong interest in Machine Learning, Data Science, Distributed Systems, DevOps, and Web Development. I firmly believe that monumental achievements are only possible through effective teamwork and collaboration.

WORK EXPERIENCE

Software Engineer

Garanti BBVA Technology [21/07/2021 – Current]

Address: Tersane St. 15 Garanti Technology Pendik, 34899 Istanbul (Türkiye)

Website: garantibbvateknoloji.com.tr/homepage

Email address: FehmiSe@garantibbva.com.tr

Name of unit or department: Core Banking Development - **Business or sector:** Financial and insurance activities

Develops and transforms legacy core banking applications into new and modern systems, and implements more efficient and profitable systems independent of old technologies.

- Implements **RESTful and gRPC** APIs for core services, in the **Java Spring Boot Framework**. Deploys applications using tools like Git, Jenkins, and SonarLint, following **CI/CD processes**.
- Builds front-end interfaces for branch employees to perform banking operations using **JavaScript, React, and the Lit** framework, adhering to **UI/UX principles**.
- Develops comprehensive **unit, integration, and performance tests** to validate advanced services and business logic scenarios. Migrates to **production environments**, serving more than 20 million customers.
- **Provides mentorship** to new team members, guiding them in the development processes of projects under the team's responsibility. Offers support for **implementing best practices**.
- Works in accordance with **Agile Software Development** methodologies in the Core Banking Development Team.

System Administration Intern

Arçelik Global [01/02/2021 – 15/07/2021]

Address: Karaağaç St. 2-6 Arçelik A.Ş, Beyoğlu, 34445 Istanbul (Türkiye)

Website: arcelikglobal.com/en

Name of unit or department: System Technologies - **Business or sector:** Manufacturing

Completed an internship in the **System Technologies Department**, focusing on the company's infrastructures and applications.

- Developed an integrated software solution using Lucy Security App to improve participation rates in security tests. Implemented an **auditing system** to restrict access for users who did not complete their security tests and training within a specified timeframe. Used Python, Windows PowerShell, **Microsoft SQL Server**, System Center Orchestrator, and RESTful API.
- Created location-based **dynamic reports** to monitor the status of servers used throughout the organization with Python, Windows PowerShell, **Microsoft SQL Server**, and SQL Server Reporting Services.

EDUCATION AND TRAINING

Master of Science, Informatics
Technical University of Munich [14/04/2023 – Current]

Address: Boltzmannstraße 3, 85748 Munich (Germany)

- First semester

Computer Engineering
Kocaeli University [02/09/2019 – 22/06/2022]

Address: Kocaeli University Umuttepe Campus, 41001 Kocaeli (Türkiye)
Final grade: 3.53
Thesis: Extraction of Driver Characteristics and Trajectory Prediction Using Artificial Intelligence Techniques

- Graduated as the 3rd in the department and as an **honor student**.
- Conducted a graduation project focused on anomaly detection and driver characteristic detection for **streaming big data** using **machine learning techniques** such as K-Means, K-Prototypes, Auto-Encoders, Deep Learning, and Decision Trees.

PUBLICATIONS

Learning to Rank for Text Summarization: Revisiting the Features and Methods for Turkish Bank Documents
[2021]

10.1109/INISTA52262.2021.9548536

The study focuses on features and learning to rank algorithms in the context of domain-specific Turkish text summarization. It explores the impact of sentence-level and word-level features on text summarization through the application of three distinct learning-to-rank algorithms.

Published in the 2021 International Conference on Innovations in Intelligent Systems and Applications (**INISTA**).

PROJECTS

Streaming Big Data Analytics on Driver Characteristic
[01/03/2021 – 31/08/2022]

Implemented a **real-time anomaly analysis system** on a large spatiotemporal data stream. Various techniques, including both **machine learning and traditional methods**, were developed and compared to determine their effectiveness.

- Applied K-Means and K-Prototypes **clustering algorithms** to cluster drivers into categories and used Decision Trees for **classification**. Conducted behavior analysis to effectively categorize drivers in real-time based on their driving situations, mitigating accidents and potential hazards.
- The project **received financial support** from the Scientific and Technological Research Council of Turkey (TÜBİTAK) through the Industry-Oriented Research Projects Support Program for University Students.
- Assumed **leadership responsibilities** within the group, overseeing tasks such as group coordination, planning, and providing support and guidance to team members as needed.
- Designed infrastructures suitable for **handling large-scale data** and utilized development platforms such as GitLab, Docker, and Jenkins in adherence to CI/CD processes. Additionally, project technologies included Apache Kafka/Cassandra, MySQL, Java Spring, Python Flask, and Rest API.