

# Gurkan UCAR

## Software Engineer

Highly motivated developer with experience in software development and a passion for solving problems. Proven ability to adapt quickly to new technologies and work effectively in a team environment. Seeking a challenging role where I can continue to grow and make meaningful contributions.

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## EXPERIENCE

### Turkish Airlines Technology (outsourced) — Java Software Engineer

08/2024 – present

- Optimized performance of existing projects
- Developed applications for cabin and cockpit crews, including a document assigning app, flight destination info system
- Fixing Fortify vulnerability issues (trufflehogs, dependency tracks etc.)
- Spring Boot, OpenShift, S3 Object Storage, and Kafka

### Yapi Kredi Bank (outsourced) — Java Software Engineer

05/2023 – 08/2024

- Monolith to Microservice conversion project using Java Spring Boot and React JS
- Developing a utility mock API tool (REST / SOAP). Developing IntelliJ plugin. Unit (90% coverage) and Integration Testing using JUnit, WireMock & RestAssured Framework
- Using tools like SAP PowerDesigner, Jira, Confluence, Bitbucket etc.

### Huawei — Internship

12/2022 – 03/2023

- Developing microservice projects using Spring Boot, MongoDB, PostgreSQL, Kafka, and Rancher

### IKnow Technology — Internship

06/2022 – 07/2022

- I developed a microservice diary project. In this project, I used Spring Cloud Gateway, Feign Client, and Eureka Server

### Bulut MD Software — Internship

06/2020 – 03/2021

- I gained experience in both frontend and backend development using Spring Boot and React JS. I also contributed to various projects

## PROJECTS

- [Trakya Campus 4.0](#) (bluetooth low energy course attendance system, library qr code entrance, campus utilities)
- [REST/SOAP API Mocking Tool](#)
- [I Have A Goal](#) (Android App) 5k+ downloads
- [MQTT Location Tracking](#) – Spring Boot & Android & ReactJS
- [WebRTC Peer2Peer Video Call](#) – Spring Boot & ReactJS
- [RealTime Chat App](#) - Socket.IO Spring Boot & React
- [Push Notifications](#) Spring Boot Server-Sent Events
- [QR Code Login](#) with Web sockets
- [IOT \(ESP8266\) Project](#) Using Spring Boot Stomp Sockets

## LINKS

- Personal Website: [gurkanucar.com](http://gurkanucar.com)
- Github: [@gurkanucar](https://github.com/gurkanucar)
- Stackoverflow: [@gurkan](https://stackoverflow.com/users/10444444/gurkan)
- Medium: [@gurkanucar](https://medium.com/@gurkanucar)
- LinkedIn: [@ucargurkan](https://www.linkedin.com/in/ucargurkan)

## EDUCATION

### TRAKYA UNIVERSITY

#### MSc in Computer Science

2023 - present

Thesis: Detection Of Assembly Errors In Manufacturing Using Deep Learning Methods Via Mobile Devices, Samsung R&D

#### BSc in Computer Engineering

2019 – 2023

GPA: 4.0 / 3.56 - 2nd ranked

## SKILLS

**Programming Languages:** Java, Javascript, Python, Go

**Frameworks:** Spring Boot, ReactJS, Hibernate, JPA

**Databases:** PostgreSQL, MongoDB, Redis

**Message Brokers:** Kafka, RabbitMQ

**Cloud & DevOps:** AWS, Linux, Docker, Openshift

**Storage & Networking:** S3 Storage, Nginx

**Monitoring & Analytics:** Grafana, Prometheus, ELK

**Testing:** JUnit, WireMock

**APIs & Protocols:** GraphQL, REST, gRPC, WebSockets, MQTT, RTSP, WebRTC

**Others:** Git, Jira, Fortify, SonarQube, ML, Image Processing, Arduino, Esp32

## SOCIETIES

### FOLKSDEV

09/2021 – 12/2023

In this developer society I am contributing by preparing tutorials, publish articles on Medium and participate in team-led events.

## LANGUAGES

Turkish • English

## HOBBIES

Self-Hosting, Aviation, Electronic