

# MEHMET VASFI TÜRKMEN

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## SUMMARY

Software Engineering graduate of Kocaeli University with 2+ years of hands-on backend development experience using Spring Boot and Java, building microservice-based systems with REST, gRPC, and real-time data processing. Experienced in designing and deploying production-grade services with PostgreSQL, MongoDB, and Docker. Complemented by 3 years of team lead experience delivering a real-time telemetry system (React, WebSocket) for the Bosch Future Mobility Challenge, and a Computer Vision internship deploying models to production. Seeking a Junior Backend Developer role to apply and grow this experience in a production environment.

## EDUCATION

**B.S. in Software Engineering**, Kocaeli University

2021 - 2026

GPA: 3.06 / 4.00

Kocaeli, Turkey

*Graduation Project: Visual SLAM-Based Autonomous Exploration System for GPS-Denied Environments*

## EXPERIENCE

**Computer Vision Intern**

07/2024 - 08/2024

DigiNova Information Technologies Inc.

Kocaeli, Turkey

- Trained and optimized object detection models on custom datasets, improving mAP scores for industrial use cases.
- Deployed trained models into production environments using Docker and conducted stability tests.

**Software Developer**

2023 - 2026

KOU Mekatronom Autonomous Vehicle Team

Kocaeli, Turkey

- Developed a React and WebSocket-based telemetry dashboard, optimizing data visualization latency for real-time monitoring of an autonomous vehicle system.
- Led a technical team within the Bosch Future Mobility Challenge, coordinating backend, frontend, and embedded workstreams to deliver a working system under competition deadlines.
- Integrated YOLOv8-based detection services into the platform, exposing results through a real-time API consumed by the dashboard.
- Performed system integration and testing across sensor, backend, and visualization components for autonomous navigation.

## PROJECTS

**Real-Time Telemetry Tracking Platform:** Spring Boot, MongoDB, gRPC, REST. | A microservice-based IoT platform combining REST and gRPC communication for real-time sensor data tracking and processing.

**Travel Assistant (TÜBİTAK 2209-A):** Java, Spring Boot, React. | A platform providing dynamic route optimization using Dijkstra and A\* algorithms.

**Student Information System** Java Spring Boot, React, JWT, Postgresql. | A role-based information system with a React frontend and JWT authentication/authorization.

**Event Management and Tracking Platform:** Java, Spring Boot, Flutter, PostgreSQL. | An end-to-end system developed with microservices architecture, allowing users to create and track location-based events in real-time.

## SKILLS

|              |                                                                   |
|--------------|-------------------------------------------------------------------|
| Backend      | Java, Spring Boot (Microservice), REST, gRPC, PostgreSQL, MongoDB |
| Frontend     | React.js, WebSocket                                               |
| DevOps/Tools | Docker, GitHub Actions (CI/CD), Nginx, AWS (EC2), Git             |
| Other        | Python, ROS, OpenCV (Computer Vision background)                  |
| Languages    | English (B2)                                                      |