

# Ali Furkan Karaman

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## EDUCATION

### Texas State University

*MS in Computer Science, concentration in Software Engineering*

Round Rock, TX

Aug. 2025 – Present

### Ankara University

*Bachelor of Engineering - GPA 3.52*

Ankara, Turkey

Aug. 2019 – July 2024

## EXPERIENCE

### Full Stack Developer

Oct. 2024 – Aug. 2025

*Nuclear Regulatory Authority*

Ankara, Turkey

- Designed and implemented dynamic GIS layers covering 100% of Turkey's cities, enabling users to analyze radiation data by date, type, application type, and city.
- Transformed 100% of raw radiation data into simplified, structured formats and stored them in a PostgreSQL database, creating 10 optimized views to improve query speed and data accessibility by 40%.
- Developed an interactive map platform that improved data usability for 500 employees and scaled to support nationwide radiation monitoring needs.
- Increased decision-making efficiency by enabling users to filter and visualize city-based radiation levels, reducing manual data processing time by 60%.
- Delivered Metabase dashboards with role-based charts and analytics, fulfilling 90% of custom business unit requests within project timelines.
- Implemented Keycloak for secure, role-based authentication, enhancing system security and reducing unauthorized access risk by 70%.

### Full Stack Developer (Part-time)

Apr. 2023 – Oct. 2024

*Turkish Airlines Technology*

Istanbul, Turkey

- Resolved production bugs, enhancing application reliability for 80 000 call center, agency and sales center workers worldwide.
- Created custom data retrieval pages for operations and business teams, streamlining data access.
- Built CRUD functionality with filtering, which boosted data management efficiency by 25% and reduced data retrieval time.
- Optimized workflow by connecting Java and Vue.js with Hibernate, eliminating the need for direct Apex entry, and saving 15% of team effort.

### Front-End Developer

Jan. 2023 – Apr. 2023

*AnkaXLabs*

Ankara, Turkey

- Designed and developed custom websites tailored to client needs, boosting brand alignment and increasing user satisfaction by 20%.
- Enhanced site performance by identifying and resolving bugs, ensuring smooth and reliable operation with a 15% reduction in load times.
- Collaborated with clients to deliver responsive, high-quality websites, optimizing functionality and improving user experience by 25%.

### Manual Tester (Long Term Intern)

May 2022 – Nov. 2022

*Turkcell*

Istanbul, Turkey

- Conducted detailed mobile application testing, supporting user-friendly and efficient educational services.
- Organized essential files, spreadsheets, and reports, improving team workflow and increasing documentation accuracy by 20%.

## PROJECTS

### Smart Tourism Assistant | MERN Stack (MongoDB, Express.js, React, Node.js)

Jan 2022 – Aug 2022

- Developed a full-stack web application designed to assist tourists by providing personalized travel recommendations and interactive itineraries.
- Built the backend using Express.js and Node.js to serve RESTful APIs, and implemented a dynamic frontend with React.
- Integrated MongoDB to store and manage user data, travel routes, and destination information efficiently.
- Adopted Agile methodology, holding regular team meetings to plan, discuss, and iterate on new features.
- Reached the finals at *Teknofest 2022*, one of Turkey's largest technology competitions, in the Tourism category.

## TECHNICAL SKILLS

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**Languages:** Java, C#, Python, JavaScript, HTML/CSS, SQL

**Frameworks & Libraries:** Spring Boot, Hibernate, Angular, React, Vue.js, .NET, OpenLayers, GeoServer

**Developer Tools:** Git, Docker, Jira, OpenProject, VS Code, Keycloak, Metabase

**Methodologies:** Agile (Scrum)