

# Ali Furkan Karaman

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## EDUCATION

<b>Texas State University</b> <i>MS in Computer Science, concentration in Software Engineering</i>	Round Rock, TX Aug. 2025 – Present
<b>Ankara University</b> <i>Bachelor of Engineering - GPA 3.52</i>	Ankara, Turkey Aug. 2019 – July 2024

## EXPERIENCE

<b>Full Stack Developer</b> <i>Nuclear Regulatory Authority</i>	Oct. 2024 – Aug. 2025 Ankara, Turkey
<ul style="list-style-type: none"><li>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.</li><li>Transformed 100% of raw radiation data into simplified, structured formats and stored them in a PostgreSQL database, creating &gt;10 optimized views to improve query speed and data accessibility by 40%.</li><li>Developed an interactive map platform that improved data usability for 500 employees and scaled to support nationwide radiation monitoring needs.</li><li>Increased decision-making efficiency by enabling users to filter and visualize city-based radiation levels, reducing manual data processing time by 60%.</li><li>Delivered Metabase dashboards with role-based charts and analytics, fulfilling &gt;90% of custom business unit requests within project timelines.</li><li>Implemented Keycloak for secure, role-based authentication, enhancing system security and reducing unauthorized access risk by 70%.</li></ul>	
<b>Full Stack Developer (Part-time)</b> <i>Turkish Airlines Technology</i>	Apr. 2023 – Oct. 2024 Istanbul, Turkey
<ul style="list-style-type: none"><li>Resolved production bugs, enhancing application reliability for 80 000 call center, agency and sales center workers worldwide.</li><li>Created custom data retrieval pages for operations and business teams, streamlining data access.</li><li>Built CRUD functionality with filtering, which boosted data management efficiency by 25% and reduced data retrieval time.</li><li>Optimized workflow by connecting Java and Vue.js with Hibernate, eliminating the need for direct Apex entry, and saving 15% of team effort.</li></ul>	
<b>Front-End Developer</b> <i>AnkaXLabs</i>	Jan. 2023 – Apr. 2023 Ankara, Turkey
<ul style="list-style-type: none"><li>Designed and developed custom websites tailored to client needs, boosting brand alignment and increasing user satisfaction by 20%.</li><li>Enhanced site performance by identifying and resolving bugs, ensuring smooth and reliable operation with a 15% reduction in load times.</li><li>Collaborated with clients to deliver responsive, high-quality websites, optimizing functionality and improving user experience by 25%.</li></ul>	
<b>Manual Tester (Long Term Intern)</b> <i>Turkcell</i>	May 2022 – Nov. 2022 Istanbul, Turkey
<ul style="list-style-type: none"><li>Conducted detailed mobile application testing, supporting user-friendly and efficient educational services.</li><li>Organized essential files, spreadsheets, and reports, improving team workflow and increasing documentation accuracy by 20%.</li></ul>	

## PROJECTS

<b>Smart Tourism Assistant</b>   <i>MERN Stack (MongoDB, Express.js, React, Node.js)</i>	Jan 2022 – Aug 2022
<ul style="list-style-type: none"><li>Developed a full-stack web application designed to assist tourists by providing personalized travel recommendations and interactive itineraries.</li><li>Built the backend using Express.js and Node.js to serve RESTful APIs, and implemented a dynamic frontend with React.</li><li>Integrated MongoDB to store and manage user data, travel routes, and destination information efficiently.</li><li>Adopted Agile methodology, holding regular team meetings to plan, discuss, and iterate on new features.</li><li>Reached the finals at <i>Teknofest 2022</i>, one of Turkey's largest technology competitions, in the Tourism category.</li></ul>	

## 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)