ALI FURKAN KARAMAN

✉ alifurkankaraman@gmail.com   📞 +1 2563945812   📍 Leander / Texas
○ github.com/AlifurkanKaraman   in linkedin.com/in/ali-furkan-karaman-519870206/

Experienced in full-stack development. During my time at THY Technology, AnkaXLabs, Turkcell and Nuclear Regulatory Authority, I worked on building scalable, user-focused applications that solve real-world problems. I can implement APIs, optimize databases with Hibernate and Entity Framework, and work with Oracle and Git. I'm passionate about creating high-quality software that can be helpful for companies.

PROFESSIONAL EXPERIENCE

Nuclear Regulatory Authority - Full Stack Developer   Oct 2024 - August 2025

- 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%.
- Built a layer management system that reduced data density on maps, improving system responsiveness by ~30%.

Technologies Used: **Angular, .NET, Docker, OpenLayers, GeoServer, PostgreSQL, Keycloak, Metabase, OpenProject**

Turkish Airlines Technolgy - Part-time Full Stack Developer   Apr 2023 - Oct 2024

- 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.

Technologies Used: **Vue.js, Java, Spring Boot, Hibernate, Oracle Database**

AnkaXLabs - Front-End Developer   Jan 2023 - Apr 2023

- 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%.

Technologies Used: **HTML5, CSS3, JavaScript, React**

Turkcell - Long Term Intern   May 2022 - Nov 2022

- 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%.

Used Aprroaches: **Manual Testing, Excel spreadsheet**

TEXAS STATE UNIVERSITY - Master's in Compter Science   **Aug 2025 - Present**
- Concetration in **Software Engineering**

ANKARA UNIVERSITY (100% English) - Bachelor of Engineering   **Sep 2019 - July 2024**
- Major in **Computer Engineering**.
- 3.52 **GPA**

Git, Jira, Agile

- **Russian** (Primary fluency)
- **Turkish** (Bilingual proficiency)
- **English** (Professional working proficiency)
- **Kyrgyz** (Limited working proficiency)