Ferhat Aksoy *Full Stack Developer*

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Professional Experience

2024/05 – present Remote	**Full Stack Developer,** *Freelance* • Developed a road congestion analysis and visualization tool using React, DuckDB, Apex Charts, Mapbox, and Deck.gl. • Data analysis to calculate and generate congestion values from raw data. • Road congestion analysis to identify problematic areas in selected zones. • Implemented a heatmap and line chart to visualize congestion values and facilitate analysis.
2024/02 – 2024/05 Remote	**Full Stack Developer,** *Freelance* • Developed a web application to visualize the vegetation information. • Conducted data analysis to calculate vegetation for a city and visualized vegetation data using different layers for each calculated vegetation value on map. • Implemented radar chart and other components to compare different vegetation values.
2023/08 – 2023/10 Remote	**Full Stack Developer,** *Freelance* • Developed a computer vision based system to monitor queues for business management using YOLOv8, Supervision, OpenCV. • Developed annotation tool to help customer build their own dataset.
2023/08 – 2023/10 Izmir, Turkiye	**Full Stack Intern,** *Janoschka* • Developed a finance tracking and admin panel application using Angular 16 for the frontend .NET Core 7.0 with C# for the backend and SQL Server for the database. • The application featured admin, user, employee, and transaction tracking with functionalities for adding, updating, and deleting records, along with user authentication.

Projects

E-commerce Data Analysis and Visualization
• Developed a comprehensive data analysis project utilizing Python for data cleaning and analysis.
• Created visualizations with a web application.
• Implemented machine learning algorithms to predict product recommendations for specific regions or customer segments.

Task Management Mobile Application
• Developed a comprehensive todo app to help users organize their life and complete tasks efficiently.
• Implemented features such as notifications, priority settings, daily and task-based reminders, and a visually appealing dark mode.
• Utilized Flutter and integrated Firebase Firestore, Analytics, and Authentication, employing provider and riverpod for state management to create a smooth, responsive, and secure multi-device user interface with real-time synchronization and performance tracking.

Notification Reminder Mobile Application
• Integrated Firebase Firestore for real-time database management and synchronization, Firebase Analytics for tracking user behavior, and Firebase Authentication for secure user login and registration.
• Employed provider and riverpod for state management, ensuring efficient and maintainable code.
• Used foreground service to highlight most important tasks throughout the day.
• Utilized shared preferences for storing user settings and preferences locally.

Education

2020, 2024	**Bachelor of Engineering in Computer Engineering,** *Ataturk University* GPA: 3.29

Skills

React — Next.js, Mapbox, Deck.gl • **Astro** • **Angular** • **Python** — Pandas, Numpy • **Flutter** • **.NET** • **SwiftUI**

Languages

English — Fluent, Level C1 • **Turkish** — Native • **Spanish** — Basic