

Mert Gaygusuz

Full-Stack Developer (React Native & iOS & .NET)

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PROFESSIONAL SUMMARY

Full-Stack Developer with 2+ years of .NET back-end experience, specializing in mobile development with React Native and native iOS (Swift/SwiftUI); independent developer of multiple iOS apps published on the App Store. Experienced in end-to-end product delivery — from architecting scalable REST APIs and real-time back-end systems to shipping high-performance cross-platform mobile interfaces. Proven ability to integrate AI capabilities into production applications, including building an NL2SQL Agent from scratch.

WORK EXPERIENCE

Full-Stack Developer (React Native & .NET) | F4e

January 2026 – May 2026 | Istanbul, Turkey

- Took an active role in the mobile transformation of the AI-powered workforce performance management platform; ported web capabilities to mobile and built high-performance cross-platform (iOS/Android) interfaces using React Native.
- Designed and implemented mobile integration of backend services; managed data synchronization and complex data flow processes via REST APIs.
- Developed new features and bug fixes on the .NET/C# backend; also took on front-end tasks as part of a full-stack workflow.
- Built an NL2SQL Agent from scratch — translating natural language queries into SQL — and integrated it directly into the core application.

.NET Back-End Developer | Vendrops Technologies

January 2022 – January 2024 | Istanbul, Turkey

- Architected the back-end of a 10+ module SaaS facility management platform; developed 100+ secure RESTful endpoints using .NET, C#, and ABP Framework (ASP.NET Core).
- Integrated MongoDB (NoSQL) and Redis (Caching) to scale data management and optimize system performance.
- Supported the front-end team using Angular and TypeScript.

IT Support Intern | Hepsiemlak

September 2016 – June 2017 | Istanbul, Turkey

- Optimized end-user system performance by performing hardware upgrades (RAM/SSD) and operating system configurations.

EDUCATION

Management Information Systems (AÖF) | Anadolu University

October 2022 – Present

Computer Programming | Altinbas University

October 2018 – June 2020

TECHNICAL SKILLS

Mobile Development: React Native, Swift, SwiftUI, Combine, SwiftData, UIKit, AVPlayer, StoreKit 2, iOS, Android, CocoaPods, Firebase

Back-End & Languages: .NET, ASP.NET Core, C#, JavaScript, TypeScript, Python, SignalR, Entity Framework Core, RESTful APIs

Front-End: Angular, Next.js, TypeScript

Databases & Caching: PostgreSQL, MongoDB, Cloud Firestore, SQL Server, Redis

Architecture & Patterns: MVVM, MVC, Clean Architecture, CQRS, Repository Pattern, RESTful API Design, Real-time (SignalR)

AI & Tools: LangChain, Google Gemini API, NL2SQL, Git, GitHub

PERSONAL PROJECTS

Zynkra | Swift, SwiftUI, Combine, ASP.NET Core, SignalR, PostgreSQL, StoreKit 2

- Built a social entertainment app where users listen to music and watch videos together in live synchronized rooms; “Vibe Radar” lets people discover others in the same mood and start anonymous chats without revealing identity. Published on the App Store.
- Developed the native iOS client with Swift/SwiftUI/Combine and a real-time backend with SignalR, ASP.NET Core, Entity Framework Core, and PostgreSQL; implemented synchronized media playback via AVPlayer and the YouTube IFrame API and subscription flows with StoreKit 2.

Blip | Swift, SwiftUI, Combine, Firebase, Cloud Firestore, MVVM

- Built a social iOS app where users post anonymous thoughts, questions, and short updates, review incoming replies, and accept ones to start anonymous chats around trending topics. Published on the App Store.
- Built with MVVM and the repository pattern using Swift/SwiftUI/Combine; implemented authentication and the data layer with Firebase Auth, Cloud Firestore, and Sign in with Apple, along with a custom design system.

NewsFlow | .NET 10, Next.js 15, TypeScript, PostgreSQL

- Built a full-stack news aggregation platform using .NET 10 Clean Architecture (CQRS/MediatR) on the backend and Next.js 15 with TypeScript on the frontend, storing real-time headlines in PostgreSQL.

AI-Powered SQL Agent | Python, LangChain, Gemini API | github.com/mertgaygusuz/nl2sql-agent

- Built an AI assistant using dual-chain LangChain + Google Gemini 2.5 Flash to translate natural language into MS SQL Server queries; implemented in-memory schema caching (Turbo Mode) cutting response time by 80%, with SELECT-only access for production safety.

FocusReceipt | Swift, SwiftUI, SwiftData, Charts

- Built a local-first iOS productivity app that converts daily activities, focus sessions, energy levels, and notes into a shareable daily receipt summary; implemented full CRUD tracking and weekly insights via the Charts framework. Published on the App Store.

Jotly | Swift, SwiftUI, SwiftData, MVVM

- Built a minimal local-first iOS thought journal for quickly capturing ideas, tasks, and notes; implemented category-based organization and a personal timeline view for revisiting past entries. Published on the App Store.

CERTIFICATES

Mobile Application Development Workshop – Tech Istanbul (IMM)