

Ali Can AYDIN

Junior Software Developer

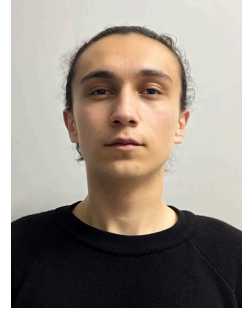
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Professional Experience

Junior Software Developer

09/2025 – 08/2026 | Ankara, Turkey

Uzungil Şekerleme ve Gıda San. Ltd. Şti.

- Technical Architecture & Data Access:
 - Developed hybrid data access layer in .NET using Entity Framework Core for ORM and Dapper micro-ORM for complex queries with multi-database connection support
- Authentication & Real-time Features:
 - Implemented authentication, authorization, and RBAC using Microsoft Identity framework
 - Built real-time notification system using SignalR for instant user communication
- UI & Reporting Solutions:
 - Integrated Syncfusion components (Grid, Spreadsheet, PDF/Word generation)
 - Developed advanced reporting modules with LIFO/FIFO cost calculation, pivot reports, and Excel export (NPOI)

Mobile Developer Intern / Backend Developer Intern

10/2024 – 03/2025 | Ankara, Turkey

Miva ERP

- Moto-Kent (2024)
 - Developed a cross-platform social media application using .NET Core and Flutter.
 - Implemented JWT-based authentication, CQRS, MediatR, Background Services, and Unit of Work to ensure a robust backend architecture.
 - Utilized MSSQL as the primary database and applied Entity Framework for efficient object-relational mapping.
 - Enabled users to create and categorize posts via the Flutter interface, with Google Maps SDK integration for map-based navigation using custom icons.
 - Integrated SignalR for real-time messaging, Firebase for push notifications, and Google Places API (Autocomplete & Place Details) for location-based services.
 - Planned in-app purchase integration to provide access to premium features

Test Engineering Intern

08/2024 – 09/2024 | Ankara, Turkey

Ortana Elektronik Yazılım Taahhüt San. ve Tic. A.Ş

Selected Projects & Published Apps

FRX-PDKS

08/2026

Native iOS, Android & .NET Workforce Tracking Platform | Sole

Developer

App Store:

<https://apps.apple.com/app/stafftracker/id6770873750>

- Independently designed and shipped a multi-platform workforce attendance and field-tracking (PDKS) platform — QR-based clock-in/out, geofenced work locations, shift scheduling, and timesheet reporting — built as a native SwiftUI iOS app, a native Jetpack Compose Android client, an ASP.NET Core 9 REST API, and an MVC admin panel over a single SQL Server schema; released on the App Store through Apple's Unlisted App Distribution for controlled rollout to client companies.
- Built the iOS client in Swift/SwiftUI with Clean Architecture (Domain → Application → Infrastructure → Presentation), protocol-based dependency injection, Core Location background tracking, geofencing, QR-based clock-in/out, offline location queueing, SignalR live presence, and full TR/EN localization; covered with XCTest unit tests.
- Delivered the Android client in Kotlin/Jetpack Compose (Material 3) with a hand-rolled networking layer, foreground location service with boot persistence, Google Play Services Location/Maps/code-scanner, and SignalR — kept in feature lockstep with iOS across three build flavors (dev/staging/prod).

- Developed the ASP.NET Core 9 API using Clean Architecture with CQRS/MediatR, EF Core, custom JWT authentication, granular role/permission-based authorization, rate limiting, Swagger, and a SignalR hub streaming real-time staff presence to a live map.

Randevum Yanımda

05/2026

Full-Stack Flutter & .NET Appointment App | Sole Developer | App

Store :

<https://apps.apple.com/tr/app/randevumyan%C4%B1mda/id6761341768>

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- Independently built and published a full-stack appointment platform for customers and business owners.
- Developed the Flutter app with BLoC/Cubit, Dio, GetIt, GoRouter, secure storage, localization, Google Maps, Firebase, RevenueCat, SignalR, and AdMob.
- Built the ASP.NET Core API with Clean Architecture, CQRS/MediatR, FluentValidation, EF Core, Repository/Unit of Work, JWT authentication, rate limiting, Swagger, health checks, background services, and Docker support.
- Implemented appointment booking, business management, real-time chat, push notifications, premium purchases, slot packages, ratings/comments, favorites, support tickets, and location-based business discovery.

Body Pose Detection with Image Processing

2024 – 2025

Bachelor's Thesis Project

- Developed a deep learning system using a CNN + BiLSTM architecture to classify specific poses (e.g., yoga) and predict pose accuracy as a percentage.
- Processed time-series data from the x and y coordinates of 33 body joint keypoints extracted via MediaPipe.
- Implemented real-time skeleton tracking and pose recognition with high temporal resolution.
- Designed and built a PyQt5-based graphical user interface (GUI) with three synchronized views: live camera feed, reference pose display, and skeleton simulation.
- Enabled users to monitor pose accuracy in real time, enhancing performance in sports training and physical rehabilitation contexts.

PivotForge

08/2026

Open-Source .NET Pivot Table Engine & ASP.NET Core RCL | Sole

Developer | Published on NuGet |

<https://github.com/alican645/PivotForge>

- Designed and published an open-source pivot table engine and Razor Class Library as a free alternative to paid commercial components (DevExpress, Syncfusion) — available on NuGet as PivotForge.Core and PivotForge.AspNetCore.
- Built the calculation engine with zero external dependencies: expression-tree compiled property accessors, single-pass aggregation (Sum, Count, Average, Min, Max), 7 show-as modes, culture-aware collation, drill-down, pagination, cancellation, and a raw OpenXML Excel exporter using only ZipArchive and XmlWriter.
- Designed a triple declarative API surface — Razor Tag Helpers, fluent C# HTML helpers, and a vanilla JavaScript API — enabling fully interactive pivot grids with zero hand-written JS.
- Implemented a complete client-side experience in vanilla JS/CSS: drag-and-drop field designer with keyboard and touch support, filter picker, drill-down detail modal, virtual scrolling with LRU cache, saved views, conditional formatting, and full ARIA grid accessibility.
- Engineered the ASP.NET Core integration layer with typed data providers, 6 Minimal API endpoints, atomic result caching with SemaphoreSlim-based thundering herd protection, and large-dataset session paging.
- Covered with a three-layer test pyramid: xUnit unit tests (.NET), Node.js DOM-stub tests (JS), and Playwright E2E browser tests; automated via GitHub Actions CI.
- NuGet: nuget.org/packages/PivotForge.Core

Education

Bachelor of Science in Electrical and Electronics Engineering

09/2021 – present | Ankara, Turkey

Gazi University

Skills

Languages: C#, Kotlin, Swift, Dart, Python

Technologies: ASP.NET Core, Flutter, Jetpack Compose, SwiftUI, SQL Server

Tools: EF Core, Dapper, SignalR, Firebase, Docker, Git