

Arda AKPINAR

Software Developer

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Work Experience

Software Developer, Meditek ARGE

03/2025 – 05/2026

Ankara, Turkey

- Development of scalable **ERP modules** using **.NET** and **Blazor** technologies for the Hospital Information Management System (HBYS), the FamilyMedicine Information System (AHBS), and corporate HR processes (personnel, shiftscheduling, attendance tracking, payroll).
- Designing backend services, business rules, and **REST API** integrations in accordance with **Clean Architecture** principles, guided by the principles of sustainability and modularity.
- Building hybrid data access layers using **SQL Server, Entity Framework Core, and Dapper**; performing data modeling and optimizing complex queries.
- Creating high-performance dashboards, data tables, and responsive enterprise user interfaces using **Blazor** components.

Software Developer Intern, RMA Elektronik

06/2025 – 07/2025

Izmir, Turkey

Taking an active role in project-based software development processes; gaining hands-on experience with modern development tools, version control (Git), and in-team software workflows.

Software Developer Intern, Egeria Yazılım ve Danışmanlık

06/2024 – 07/2024

Izmir, Turkey

Contributing to **end-to-end full-stack application development** and integration processes by working on the user interface and server layers.

Entrepreneurial Experiences

Co-Founder & Software Developer,

04/2026 – Present

Finlabs - An AI-Powered Financial Analysis and Portfolio Tracking Platform

- A project aimed at individual investors: Development of a **scalable backend architecture** and **data pipeline** infrastructure that asynchronously collects data from **KAP, TEFAŞ**, and real-time market feeds.
- Ensuring end-to-end integration between dynamic **front-end components**, analytical dashboards, and an **AI assistant** to streamline financial decision-making processes.

Co-Founder & Software Developer,

09/2025 – Present

Alris - An AI-Powered Financial Document Processing Application

- Development of an **Electron-based**, cross-platform desktop application for the analysis and processing of financial documents.
- Design of an AI backend infrastructure featuring advanced RAG (Retrieval-Augmented Generation) and **multi-agent** architectures using **Python** and **LangGraph**.
- Setting up end-to-end API integration between a responsive desktop interface and AI agents that process complex queries in parallel.

Skills

Web & Mobile Development (Frontend / UI/UX)

- React, Next.js, Blazor, Electron, JavaScript, HTML5, CSS3, Responsive Design

Database & ORM:

- SQL Server, PostgreSQL, Entity Framework Core, Dapper, SQL Query Optimization

Backend Development

- C#, .NET, ASP.NET Core, FastAPI, Clean Architecture, RESTful API

Tools & DevOps

- VS Code, Git, GitHub, Postman, REST API, Docker, Electron

Projects

eSchool - School Management System, (Full Stack Web Application)

- **Technology Stack:** .NET, Blazor, SQL Server, Entity Framework Core, Dapper
- **Architecture:** Implementation of **Clean Architecture** principles in accordance with the principles of Separation of Concerns and sustainability.
- **Security & Authentication:** Configuration of a **Role-Based Access Control (RBAC)** system for Administrator, Teacher, and Student roles using the JWT and ASP.NET Core Identity infrastructure.
- **Key Features:** Development of an automated Attendance Tracking System and a dynamic **GPA (Grade Point Average) calculation engine** through optimized SQL and LINQ queries.
- **Frontend & UI/UX:** Building a responsive, component-based interface using Blazor components to deliver a fast and fluid **Single Page Application (SPA)** experience.

Cinema Management System, (Full Stack Web Application)

- **Technology Stack:** C# (ASP.NET Core Web API), SQL Server, JavaScript, HTML5, CSS3
- **API & Backend Architecture:** Development of high-performance **RESTful API** services that manage movie showtimes, dynamic seat reservations, and ticket sales and refund processes.
- **Database & Real-Time Management:** Design of an **SQL Server** relational database management system (RDBMS) architecture optimized to prevent double bookings and track real-time seat availability.
- **Frontend & UI/UX:** Creating a responsive and dynamic booking interface using **HTML5, CSS3**, and **JavaScript** to provide a seamless user experience across different devices and screen sizes.

Educations

Computer Engineering (Bachelor's Degree), Ostim Teknik Üniversitesi

Department of Computer Engineering (100% Scholarship), 4th Year – Current GPA: 3.49/4.00

09/2023 – Present

Ankara, Türkiye

Publications

SPD-RAG: Sub-Agent Per Document Retrieval-Augmented Generation [↗](#),

Yağız Can Akay, M. Yusuf Kartal, Esra Alparslan, Faruk Ortakoyluoglu, Arda Akpınar

- Preparation of a research paper proposing a hierarchical multi-agent architecture to optimize Retrieval-Augmented Generation (RAG) processes.
- Detailed description of a system—comprising a central coordinator, sub-agents working concurrently on isolated documents, and a recursive synthesis layer—that reduces costs and improves performance compared to standard RAG models.

Languages

- Turkish (Native Language)
- English (Professional Competence)

References

Ozan Çabur — Software Engineer, Ministerie van Financiën [↗](#)

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Ömer Demir — Yazılım Uzmanı, Meditek ARGE A.Ş. [↗](#)

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