Berk Karakaş

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Skills

Programming Languages: C#, C++, C, Python, JavaScript
Backend: ASP.NET Core (MVC, Web API), .NET6, .NET 8, .NET 9
Desktop: WPF, MVVM Pattern
Architecture: Layered Architecture, Repository Pattern, Unit of Work, Code First
Database: MS SQL Server, SQLite, Entity Framework Core
Auth: ASP.NET Core Identity, Active Directory, LDAP
Frontend: HTML, CSS, JavaScript, AJAX, Razor Views

Experience

Intern / Full Stack Developer, Eti Maden İşletmeleri Genel Müdürlüğü   July 2023 – August 2023
- Developed web applications with Active Directory integration on .NET platform, implementing role-based access control for document management
- Built folder-based permissions system to control user access to sensitive documents
- Implemented layered architecture reducing code duplication by 40%
- Integrated AJAX for real-time data retrieval and LDAP protocol for enterprise authentication

Intern / Full Stack Developer, DataKent   March 2022 – August 2022
- Implemented layered architecture using .NET platform for scalability and maintainability
- Developed frontend using HTML, CSS, and JavaScript with cross-browser compatibility
- Contributed to code reviews and full-stack development following design patterns

Projects

BMTDb   github.com/unsulliedd/BMTDb
- Movie database platform using ASP.NET Core 9 with layered architecture, Repository Pattern, and Unit of Work Pattern
- RESTful API integrating TMDb and OMDB APIs for movie data synchronization
- Interface for browsing, searching, and managing movies with admin panel for user and movie management
- ASP.NET Core Identity authentication with email confirmation via SMTP and notification system
- Database schema using Code First approach with Entity Framework Core, search, sorting, filtering, and user profiles with favorites and watchlist

ETIDrive   github.com/unsulliedd/ETIDrive
- Enterprise Document Management System using ASP.NET Core 8 with Active Directory integration for role-based authentication
- Folder-based permissions system with LDAP protocol for enterprise user management
- AJAX for real-time data retrieval, structured document hierarchy with folder management
- Admin panel for user management, role assignment, department management, and audit logging
- Custom context menu, breadcrumb navigation, filtering, and search functionality

SubtitleCleaner   github.com/unsulliedd/SubtitleCleaner
- Desktop application using WPF and .NET 9 for cleaning subtitle files with MVVM pattern
- Subtitle parsing and processing system with Serilog for logging and error tracking
- Interface with multiple cleaning modes, file validation, re-do/revert functionality and file security features
- Localization supporting multiple languages, settings management with persistent configuration, and batch processing progress tracking

UltimateReNamer   github.com/unsulliedd/UltimateReNamer
- Desktop application using WPF and .NET 8 for batch file renaming and metadata editing with MVVM pattern
- Custom rules for filename formatting and media tag management for photos, videos, documents, and music

MANIMath   github.com/unsulliedd/MANIMath
- Developed web-based platform that allows users to create complex mathematical animations using Manim, enabling users to generate animations by inputting mathematical equations and animation parameters
- Established seamless communication through REST API to transmit user data and interact with Manim scripts, creating intuitive interface for mathematical animation creation

Education

Karadeniz Technical University – Bachelor's Degree in Computer Engineering   August 2023