

SALIH EMRE KOCADERE

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SUMMARY

Software Engineer with nearly 2 years of experience building scalable backend services in the .NET ecosystem. Skilled in ASP.NET Core, Clean Architecture, CQRS, and Entity Framework Core. Delivered 2 production applications using modern tech stack including React, TypeScript, and PostgreSQL. Focused on writing maintainable and testable code following SOLID principles.

SKILLS

Backend Development: ASP.NET Core Web API, C#, LINQ, Entity Framework Core, RESTful API Development, Caching, JWT Authentication, ASP.NET Core Identity.

Architecture & Patterns: Clean Architecture, Layered Architecture, CQRS, MediatR, SOLID Principles.

Databases: PostgreSQL, Redis.

Testing: NUnit (Unit/Integration Testing), Playwright (E2E Testing).

DevOps & Tools: Docker, Docker Compose, Git, Postman

Frontend Development: React, TypeScript, Redux Toolkit, React Router, Axios, TailwindCSS, Ant Design, CSS3.

Languages: Turkish (Native), English (Professional Working Proficiency).

PROFESSIONAL EXPERIENCE

Software Developer

AvoCore Group - Irvine, CA, USA (Remote)

November 2025 - Present,

- Designed and implemented background jobs for data synchronization, scheduled tasks, and async processing to improve system responsiveness.
- Developed and maintained comprehensive Unit and Integration tests using NUnit to ensure high code coverage and prevent regressions in critical business logic.
- Engineered robust End-to-End (E2E) test automation suites using Playwright, significantly reducing manual testing time and ensuring production stability.

Software Engineering Intern

AvoCore Group - Irvine, CA, USA (Remote)

December 2023 - February 2024,

- Diagnosed and resolved critical implementation bugs, enhancing overall system reliability and user experience.
- Tested new features before production deployment.
- Worked with the team to fix backend bugs in Agile sprints.

Long-term Software Engineering Intern

CYNTÉ Technologies - Istanbul, Turkey

June 2022 - September 2023,

- Developed scalable RESTful backend services using .NET Web API, applying SOLID principles and clean design practices.
- Implemented efficient data access layers using Entity Framework Core and optimized LINQ queries for improved performance.
- Created dynamic, responsive frontend components using React, ensuring integration with ASP.NET Core endpoints.

PROJECTS

WalletUp - Personal Finance Management Platform

Live: <https://walletup.io>

Full-stack personal finance management application for tracking expenses, managing multi-currency accounts, setting financial goals, and generating AI-powered insights.

- Developed RESTful APIs using ASP.NET Core Web API with Clean Architecture and CQRS.

- Implemented Entity Framework Core with PostgreSQL for data persistence and Redis for caching.
- Built secure authentication using ASP.NET Core Identity, JWT, and Google OAuth.
- Integrated external services using Refit, including currency exchange APIs.
- Applied FluentValidation, AutoMapper for validation and mapping.
- Developed frontend using ReactJS with Redux Toolkit, Axios, and TailwindCSS.

Currvia – Currency Converter Application

Live: <https://currvia.com>

Currency exchange platform featuring real-time exchange rates, historical conversion data, and financial news aggregation through external API integrations.

- Designed and developed RESTful APIs using ASP.NET Core Web API with Minimal API pattern and layered architecture.
- Implemented Repository Pattern with Entity Framework Core for clean data access and separation of concerns.
- Integrated multiple external APIs using Refit for real-time currency exchange rates and financial news aggregation.
- Optimized API consumption and error handling for reliable real-time data processing.
- Built responsive frontend using React with TypeScript, Ant Design, and custom CSS.

EDUCATION

Bachelor's Degree in Software Engineering

ISTANBUL SABAHATTIN ZAIM UNIVERSITY • September 2019 - June 2025 • Istanbul, Turkey

REFERENCES

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