BERKAY BAYAR

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EDUCATION

Konya Technical University   Konya, Turkey

Bachelor of Science in Computer Engineering   2021 – Present

Kocaeli University   Kocaeli, Turkey

Associate Degree in Computer Programming   2019 – 2021

TECHNICAL SKILLS

Languages: C#, TypeScript, T-SQL, PostgreSQL

Frameworks & Web: .NET 8+, ASP.NET Core, EF Core, WPF, React.js, Next.js

Architecture: RESTful APIs, Microservices, Clean Architecture, CQRS

Tools & Infrastructure: Docker, Redis, RabbitMQ, Hangfire, GitHub Actions, Git

EXPERIENCE

ZDK Network   Remote

Backend Software Engineer   2022 – 2025

- Built a custom desktop game launcher using WPF to handle game installations via CDN, verify file integrity, and auto-repair missing files.
- Built the user-facing Next.js website and core backend APIs (.NET/PostgreSQL), deployed via Cloudflare to manage 12,000+ user accounts and serve over 20 million monthly requests.
- Developed tools to extract and index game binary data, building a public, searchable web database for players to easily look up items, recipes, and game information.
- Automated testing and code deployment for backend APIs and internal developer tools by setting up CI/CD pipelines in GitHub Actions.

Independent Developer (SaaS & B2B)   Remote

Full Stack Developer   2023 – Present

- Built and maintained Trendyol Analytics, a multi-tenant B2B platform that helps active vendors track their data.
- Optimized older database tables to significantly speed up API response times for reporting dashboards.
- Developed custom web dashboards using React and created business automation tools using .NET for international clients.

PROJECTS

Trendyol Analytics SaaS   C#, .NET, PostgreSQL

- Created a multi-tenant web application using Clean Architecture and CQRS patterns.
- Implemented Hangfire background jobs to reliably synchronize large amounts of data every night.

TrendyolClient.Sharp   C#, .NET

- Wrote a type-safe C# wrapper for the Trendyol Developer API, making it easier for other developers to integrate the API into their projects.

ExcelQueryCLI   C#

- Built a multi-threaded command-line tool for bulk Excel manipulation, using parallel processing to increase performance by up to 500%.