



# Hasan Yurdakul

Back-End Software Developer

## SUMMARY

As a Back-end Developer specialize in the .NET environment, I aim to develop efficient services and write clean, sustainable code following SOLID principles. I built multiple proof-of-concept projects focused on Microservices Architecture and ASP.NET Core MVC, which are detailed on the second page of my resume. I am eager to contribute to projects while constantly advancing my knowledge and expertise in the industry.

## PROFESSIONAL EXPERIENCE

### Back-End Developer @ Wissen Akademie

February 2024 - Still // Istanbul, Turkey

- > Acquired a robust understanding of programming fundamentals including Data Structures, Algorithms, Object-Oriented Programming (OOP), and SOLID principles.
- > Contributed to the development of an e-commerce web project, gaining practical experience in real-world applications.
- > Developed expertise in .NET and associated technologies such as ASP.NET Core MVC and Entity Framework Core.
- > Designed and implemented a database structure using Microsoft SQL Server.
- > Developed RESTful APIs, gaining familiarity with technologies like CORS and JWT for secure and efficient web services.
- > Utilized React.js for frontend development, addressing state management challenges and leveraging libraries such as Axios, Redux, and Tailwind CSS for enhanced functionality and design.

### Sales Associate @ PVH Turkey Calvin Klein

May 2023 - August 2023 // Istanbul, Turkey

- > Providing customers with high quality service, understanding their needs and recommending suitable products.
- > Regularly checking store stocks, identifying missing products and replenishing stocks.
- > During the short time I worked, I ranked first in terms of sales turnover every month.
- > I was entitled to the language compensation provided by the company. and expanded the customer portfolio by communicating in English.

### Civil Engineer @ FRC Construction

June 2021 - August 2022 // Various Cities, Turkey

- > Worked on upperstructure works in various provinces of Turkey.
- > Daily management of construction site operations, creation and implementation of work schedules, resource planning and control of workflow.
- > Management of the construction team, distribution of tasks, ensuring occupational safety and efficiency, monitoring the performance of employees.
- > Examining technical drawings and projects, preparing field reports, and regularly presenting project progress reports to senior management.

📍 Istanbul, Turkey

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## SKILLS

### Programming Languages

C#, JavaScript, TypeScript

### Libraries & Frameworks

.NET, Entity Framework, Identity Server, Automapper, Mass Transit, YARP, NodeJS, Nodemon, React, NextJS, Bootstrap, Chakra, jQuery, Tailwind

### Databases

MSSQL, PostgreSQL, MongoDB, Redis

### Tools & Platforms

Docker, RabbitMQ, Elastic Search, Firebase, Postman, Swagger, Bash, PowerShell, Github, npm, git

### CI/CD

Azure, Kubernetes, Netlify, Vercel, GitHub Actions

## EDUCATION

### Anadolu University

2023 - Still / Eskişehir, TURKEY  
Computer Programming

### Sakarya University

2016 - 2021 / Sakarya, TURKEY  
Civil Engineering

## LANGUAGES

### English

Advanced - CEFR C1

### Turkish

Native

## CERTIFICATES

### Google

February 2024  
Develop Apps With Flutter

## PROJECTS

### Micro Muzayede

[github.com/hasanyurdakul/MicroMuzayede](https://github.com/hasanyurdakul/MicroMuzayede)

- › Micro Muzayed project is a Microservices proof of concept project developed using technologies such as ASP.NET Core, Entity Framework Core, Identity Server, PostgreSQL, MongoDB, MassTransit, RabbitMQ, YARP, SignalR, xUnit, NextJS and so on.
- › The application is designed to support scalable web APIs using ASP.NET Core. This represents an approach that adopts microservices architecture to enable functionality to be distributed and scaled in a modular manner.
- › Data persistence was addressed by diversifying across different database technologies. Using Entity Framework Core, PostgreSQL and MongoDB, the application was integrated into different data storage solutions. This provided flexibility and performance in data management.
- › Reliable messaging and event-driven architecture were implemented using RabbitMQ and MassTransit. These technologies increased the durability of the application, ensuring that messages were delivered reliably and events were managed effectively.
- › Authentication and authorization processes were effectively managed using Identity Server.
- › Used YARP in Gateway Service for flexible API routing. This enabled the application to dynamically manage API routes and change redirects as needed, creating a more flexible and scalable API infrastructure.
- › Created a notification service utilizing SignalR. This enabled real time updates to be pushed to clients efficiently. The service improved user engagement by providing real time alerts and notifications.
- › Handled synchronous service-to-service communications with gRPC. This ensured efficient, low-latency communication between microservices. Additionally, it facilitated better error handling.
- › Wrote unit tests with xUnit. This guaranteed the code's reliability and correctness by systematically verifying individual components.

### Kitap Pazari

[github.com/hasanyurdakul/KitapPazari](https://github.com/hasanyurdakul/KitapPazari)

- › Kitap Pazari project is a MVC proof of concept project developed using technologies such as ASP.NET Core MVC, Entity Framework Core, ASP.NET Identity and MSSQL Server.
- › Project is built on the ASP.NET Core MVC framework and structured using N Tier Architecture, which provides separation between user interface, business logic and data access layers. By managing the data access layer with Entity Framework Core, database operations are optimized and control of database operations is ensured.
- › Authentication and authorization processes were carried out using the ASP.NET Identity, ensuring that users were logged in and authorized securely.
- › Throughout the project, data access codes were abstracted and made reusable by using the Repository pattern. Additionally, database operations were managed in a more controlled manner by applying the Unit of Work pattern.

### Reddit Clone

[github.com/hasanyurdakul/social-media-app](https://github.com/hasanyurdakul/social-media-app)

- › The Reddit clone I developed was created using technologies such as React, Next.js, Chakra, Firebase, Recoil and TypeScript. By combining these modern technologies, a user-friendly and impressive Reddit-like platform has been created.
- › This Next.js-based Reddit clone allows users to create communities, share posts and comments, and vote on posts. Users can join relevant communities and explore content based on their interests.
- › With Firebase Authentication integration, users can sign in with Google or email. This allows users to access the platform quickly and securely and provides a better user experience.
- › The application effectively manages the state of the application using state management tools such as Recoil.
- › The application ensures that the code is safe and readable, thanks to the strong type checking provided by TypeScript. Using TypeScript allows errors to be detected early and code written in a more robust way.