



Gizem Ayaz Yegül

Full-Stack Software Engineer

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Summary

Full-Stack Software Engineer with professional experience building and maintaining production systems in the retail domain using **C#, .NET, ASP.NET Core, Entity Framework, React, TypeScript**. Experienced in working across backend and frontend layers, cloud infrastructure, monitoring, and incident management in Agile teams. Strong product mindset supported by prior Product Owner/Scrum Master experience.

Skills

Programming & Frameworks: C#, .NET, ASP.NET Core, TypeScript, JavaScript, React

Backend Systems: Entity Framework Core, REST APIs, SQL, PostgreSQL, MongoDB, Express.js

Architecture & Engineering Practices: Clean Architecture, CQRS, SOLID, Agile / Scrum

Cloud & Operations: Google Cloud Platform (GCP), Docker, GitLab CI, Monitoring & Incident Management, Kubernetes

Testing & Tools: xUnit, Jest, Integration Testing, Bash, Postman, Jira, Dev Containers, WSL

Professional Experience

Dunnhumby, Berlin/Germany • Full-Stack Engineer

September 2024 -Present

- ▶ Led the end-to-end design and implementation of a flexible, scalable architecture for a business-critical retail system, owning both backend and frontend development using **C#, ASP.NET Core, Entity Framework Core, React, and TypeScript**.
- ▶ Applied **Clean Architecture** and **CQRS** patterns to structure business logic, improving maintainability, testability, and long-term scalability.
- ▶ Owned the development of backend APIs and the corresponding frontend features, working closely with product and engineering teams to deliver production-ready solutions.
- ▶ Worked across multiple environments (local, dev, test) and contributed to **GitLab CI** pipelines to ensure reliable builds and deployments.
- ▶ Leveraged **Google Cloud Platform (GCP)** services, along with monitoring and alerting tools, to monitor system health and support incident management.
- ▶ Improved developer experience by enhancing **Docker-based** Dev Containers and writing Bash scripts to streamline local development workflows.
- ▶ Leveraged **GitHub Copilot** with structured, task-specific prompting to accelerate development, improve code quality, and reduce iteration time across backend and frontend work.
- ▶ Contributed to the use and development of **MCP servers** to support internal tooling and enhance AI-assisted development workflows.

Ironhack, Berlin/Germany • Teaching Assistant

March 2024 - June 2024

- ▶ Supported students in JavaScript and **MERN** stack labs by debugging code and explaining core web development concepts and best practices.

Alocai(Altagram), Berlin/Germany • Product Owner December 2020 - May 2021

- Excelled in technical aspects as a Product Owner, leveraging a strong understanding of **software development principles** and Agile methodologies to drive project success.
- Collaborated closely with developers and the **technical development team** head to analyze complex technical challenges, ensuring a thorough understanding of project requirements and technical constraints.

Modanisa, Istanbul/Turkey • Product Owner/Scrum Master October 2017 - April 2019

- Worked closely with Web Developers, Mobile Application Teams, and also Backend Developers to analyze the technical capabilities of the codebase for upcoming projects.
- Identified stakeholders' and customers' challenges, and also created technical documents. Using **SQL** actively.

Akbank, Istanbul/Turkey • Banking Analytics Intern August 2017 - September 2017

- Spearheaded collaborative efforts with two data analysts and managers to analyze extensive ATM withdrawal data sets, utilizing advanced **database querying** techniques to extract valuable insights and drive process optimization initiatives.

Educational Background

Full-Stack Web Development • Ironhack / Berlin, Germany

Professional Scrum Master • Scrum.org

Language Skills

English *C1* • German *TELC B1* • Turkish *C2*

Education

Physics Engineering • Istanbul Technical University

- Coursework in **Python**, **C++**, and **Data Analyses**
- Thesis: **Parallel Programming in Fortran**