# Umutcan Ceyhan

*Software Engineer*

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## Profile

Passionate about contributing to impactful systems and products, I enjoy building data-intensive and reliable software where every line of code matters. I focus on writing maintainable, testable, and efficient solutions while continuously learning and driving projects that deliver real-world value.

## Work Experience

### Full Stack Software Developer, SabancıDx | 08/2022 – Current (3 years)

- Provided coding and architectural support to a **global e-procurement** platform serving **45,000+** suppliers across **70+** countries, facilitating **150,000+** auctions in **415** categories with a **$4B+ transaction volume**.
- Developed and maintained backend services using **.NET Core (C# 9)**, applying **Vertical Slice Architecture**, **Domain Driven Design** (DDD), **CQRS, Mediator, Outbox Pattern** and **Microservices Patterns** within a **Backend for Frontend** (BFF) structure.
- Delivered modular and maintainable frontend features using **Vue.js and Typescript,** following a **Modular Architecture** approach.
- Utilized **Dapper** and **Entity Framework** for high-performance data access; worked with **PostgreSQL**, **MongoDB,** and **Redis** as data stores.
- Supported agile delivery processes as **Scrum Master,** while also contributing to asynchronous messaging via **RabbitMQ**, and centralized logging/monitoring using **Elasticsearch and Kibana.**
- Managed **CI/CD pipelines** and deployments on **Microsoft Azure**, leveraging **K9s** for Kubernetes cluster management.
- Prepared and led in-house training sessions to **150+ employees**, including presentations on **Blockchain** technologies.

### Freelance Software Consultant | 03/2019 – 05/2022 (3 years 2 months)

- Provided consultancy services to clients in **retail, fashion, jewelry, SaaS, and e-commerce industries** over a period of **3+ years.**
- Integrated secure **payment systems (iyzico, paytr, stripe)** and **subscription models** into client applications to streamline service delivery and billing.
- Supported the Italian client **Mizar & Alcor** in a digital overhaul that **contributed to** their successful **partnership with Zara.**
- Helped a **local diamond retailer** launch online sales, resulting in over **$150,000+ in additional revenue**.

### Jr. Backend Developer | Epigra | 07/2021 – 10/2021 (3 months)

- Create 2 websites using **Statamic** and **Laravel frameworks** for Acibadem University and EKU.
- Create and manage **REST API** using **Laravel and Vue**.
- Create **Swagger documentations**
- Data transfer by using **DTO, Dependency Injection, Binding** concepts & Service - Repository structure

## Technical Skills

**Architecture & Design Patterns:** DDD, Vertical Slice Architecture, Microservices Architecture, Modular Architecture, API Composition, BFF, Mediator, CQRS, Outbox Pattern,
**Programming Languages:** C#, TypeScript, JavaScript, PHP, Python, Java
**Frameworks:** Vue/Nuxt.js, React, Laravel, Bootstrap
**Databases & Other Tools:** PostgreSQL, MongoDB, Redis, RabbitMQ, ElasticSearch, Kibana
**DevOps & Cloud:** Microsoft Azure (CI/CD pipelines, deployments), Kubernetes (K9s)

## Education & Languages

**Education:** Bachelor of Science | Computer Engineering (Undergraduate) | Izmir Institute of Technology, Turkey
- **Graduation Project:** Blockchain-Based Carbon Certificate Marketplace
  - Co-developed a **blockchain-based Renewable Energy Certificate (REC) marketplace** with **Prof. Dr. Tuğkan Tuğlular**, leveraging **Ethereum smart contract**s to enable secure generation, verification, and **peer-to-peer trading of RECs** between **renewable energy producers** and **eco-conscious consumers**.

**Languages:**
- **English** - Upper Intermediate (B2),
- **Turkish** - Native

## Projects

**Scrumz | scrumz.app -** Web app for **story point estimation** and **scrum poker.**                    **12/2024**

## Certification & Awards

**Google Project Management  | Coursera**                                                                    *06/2022*

*Dx Code Challenge First Place |* *SabancıDx - 24 Hours Game-Jam*                                           *12/2023*