

# Berfin Tek

## Software Developer

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### ABOUT ME

I am a **Computer Engineering graduate** with hands-on experience in **.NET, PostgreSQL, Docker, and RESTful APIs**. I completed 2-month internships at **Jotform** and **TurkNet**, and also contributed to a 2-month volunteer project at **Pusula**, where I gained practical skills in **full-stack development, data analysis, and Agile workflows**. I am **passionate about sharing knowledge** and actively **write technical blogs on Medium**.

### EDUCATION

Computer Engineering, Aydin Adnan Menderes University      2018 - 2023  
Management Information Systems, Anadolu University      2019 – 2025

**Tech Stack:** C#, .NET Core, RESTful API, MSSQL, PostgreSQL, Docker, RabbitMQ, Git, AzureDevOps, Blazor, Agile, Jira, Scrum, .Net ABP Framework

**Languages:** English (B1), German (TELC A2)

### EXPERIENCE

**Jotform - Data Scientist Intern**  
08/2023 - 09/2023 | Ankara, Turkey

- **Technologies:** Python, Flask, Numpy Pandas, HoloViews, Isolation Forest, Local Outlier Factor, Prophet
- Detected anomalies using **Isolation Forest, LOF**, and **Prophet** models.
- Created interactive **HoloViews** visualizations and a **Flask web app** for insights.
- Improved visualization quality, boosting **user engagement by 30%** and **data clarity by 20%**.

**TurkNet Communication - Data Scientist Intern**  
08/2021 - 09/2021 | İstanbul, Turkey

- **Technologies:** Python, Numpy, Pandas, Tableau
- Processed and structured large datasets with **Python** for accurate reporting.
- Built **Tableau dashboards**, cutting processing time by **40%** and boosting efficiency by **50%**.
- Automated data workflows, enhancing overall productivity.

### ORGANIZATION:

**Pusula Kurumsal İş Çözümleri - Talent Academy FullStack - Student**  
10/2024 - 12/2024 - Final project is private

- **Technologies:** C#, ASP.Net, Abp Framework, Blazor syncfusion, PostgreSQL, Jira, Azure DevOps, Docker, RabbitMQ, Scrum, Agile

- Developed a scalable **hospital management system** with **.NET ABP Framework**.
- Built core **hospital systems** such as the **appointment scheduling module**, improving operational efficiency.
- Used **PostgreSQL**, **Docker**, and **RabbitMQ** to ensure reliable, efficient operations.
- Managed sprints via **Azure DevOps** and **Jira** under **Agile/Scrum** methodology.

### **Fimple .Net Bootcamp - Student**

*11/2023 - 01/2024 - [Final Project](#)*

- **Technologies:** C#, .NET Core, MsSql, Entity Framework, RESTful API, FleuntValidation, AutoMapper, Dependency Injection, Unit Test
- Revamped a **RESTful Web API** using **.NET Core** and **Entity Framework**.
- Applied **OOP principles**, **Dependency Injection**, and **FluentValidation** for clean architecture.
- Used **MS SQL** for data management and **AutoMapper** for model mapping.
- Implemented **Token Authentication** and wrote **Unit/Integration Tests** to ensure code quality.

## **PROJECTS**

### **CRM - .Net Core**

*05/2024 - Present – [Code](#)*

- **Technologies:** .Net Core 8, Abp Framework, RESTful API, AutoMapper, Dependency Injection, CQRS, PostgreSQL, RabbitMQ, SignalR, JWT Token
- Built a modular CRM system using **.NET 7**, **ABP Framework**, and **Onion Architecture**.
- Integrated **RabbitMQ** for message handling and **PostgreSQL** for data storage.
- Applied **AutoMapper**, **Dependency Injection**, and **SignalR** for clean, modular design.
- Implemented **JWT Token Authentication** to secure API access.

### **Ekşi Sözlük Clone - .Net Core**

*03/2024 - 07/2024 – [Code](#)*

- **Technologies:** .Net Core 7, RESTful API, AutoMapper, Dependency Injection, CQRS, PostgreSQL, RabbitMQ, MediatR, JWT Token, Docker, Dapper, Blazor
- Developed an **Ekşi Sözlük clone** using **.NET 7**, **CQRS**, and **Onion Architecture**.
- Built a **Blazor** frontend and **RESTful APIs** for seamless interaction
- Utilized **PostgreSQL** and **Dapper** for efficient data handling.
- Integrated **RabbitMQ** for messaging and **Docker** for containerized deployment.
- Implemented **JWT Authentication** to ensure secure access.

### **Data Analysis with Hadoop Tools Graduation Project - Python**

*10/2022 - 07/2023 - [Thesis](#)*

- **Technologies:** Apache Hadoop, Apache Pig, Apache Spark, Apache Hive, Apache Sqoop, Apache HBase, Apache Flume, RabbitMQ
- Conducted **big data analysis** using **Hadoop**, **Spark**, **Hive**, **Pig**, **Sqoop**, **HBase**, and **Flume**.
- Leveraged **RabbitMQ** for messaging and a **Linux VM** for project execution.