



ÇİĞDEM ÇAKIR

SOFTWARE DEVELOPER

CONTACT



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EDUCATION

Master of Science / Insurance
Marmara University, Istanbul,
Turkey

**Bachelor of Science /
Mathematics**
Yildiz Technical University,
Istanbul,
Turkey

PROFESSIONAL PROFILE

A dynamic and results-driven Software Developer with experience in both frontend and backend technologies. Proficient in creating innovative and user-friendly software solutions that enhance operational efficiency and meet client needs. Expertise in utilizing modern technologies to deliver scalable, maintainable, and high-performance applications. Strong problem-solving skills and the ability to adapt to emerging trends and technologies. Adept at collaborating with cross-functional teams to bring complex projects from concept to completion. Detail-oriented and committed to delivering excellence, with a passion for continuously improving and making impactful contributions to projects. Looking forward to leveraging my technical skills to drive organizational success and foster growth.

EXPERIENCE

Software Engineer

Arge Bilişim / ArgeMAS | March 2024 – Present

Core Responsibilities:

- Designed and developed software solutions using C#, SQL, and JavaScript, ensuring efficient and reliable system performance.
- Led the development of dynamic user interfaces using DevExpress, DevExtreme, and jQuery, contributing to seamless user experiences across multiple platforms.
- Applied advanced machine learning techniques, such as hierarchical clustering with ALGLIB, to optimize manufacturing processes and enhance data visualization, driving operational improvements.
- Collaborated with cross-functional teams to implement multi-layered architecture and MVC design patterns, ensuring scalable and maintainable applications.
- Conducted thorough testing and debugging processes to deliver high-quality, bug-free software on time and within budget.

Software Developer

Optimus Doruk Elektrik Elektronik Otomasyon San. Tic. A.Ş. | October 2022 – March 2024

Core Responsibilities:

- Led the development of test software using C# and the KNX Falcon SDK to support mass production of embedded devices, ensuring seamless integration of hardware and software systems.
- Designed and implemented database solutions for recording and tracking test results, enhancing data persistence and ensuring production quality through accurate and reliable data management.
- Created a comprehensive web-based monitoring application, providing real-time insights into test processes, detailed reports, and performance analytics, which enabled improved decision-making and process optimization.
- Developed configuration software for a KNX-DALI gateway device, leveraging KNX and DALI protocols, and applied the MVVM design pattern with WPF to ensure modularity and scalability in software architecture.
- Published an article titled "KNX in Smart Buildings Solutions" in the Silk Road International Scientific Research Conference, hosted by Lankaran State University (Dec 8, 2022).

SKILLS

C#

ASP.NET Core

Entity Framework Core

REST API

CQRS

SQL

JWT

SignalR

Redis

Java

Selenium

JavaScript

TypeScript

React.js

DevExtreme

Blazor

WPF

Agile

Scrum

Microsoft TFS

Git

TortoiseSVN

Jira

Open Project

PROJECTS

Expense Payment System

- Developed a system for managing and approving employee expenses for field employees. Implemented features such as role-based access, real-time expense tracking, automated email notifications, and extensive report generation. Ensured security and efficiency using CQRS, Entity Framework Core, JWT, AutoMapper, Redis, Serilog, and Hangfire.

Web Crawler Application

- Designed e-commerce system with a React-based frontend and a C# backend, incorporating Google authentication for secure user sign-in. Developed a product scraping bot using Selenium, triggered by a background worker, and implemented real-time monitoring via SignalR to provide instant visibility of scraping results.

Library Management System

- Built a Library Management System in C# and .NET 7, allowing for the management of book collections, transactions, and search capabilities. Utilized EF Core and SQL Server for data storage, with MediatR for CQRS.

Real-Time Chat Application

- Developed a real-time chat application using React for the frontend and C# for the backend. Utilized SignalR for real-time communication.

CERTIFICATION

McKinsey & Company / Forward Program (In Training)

- Selected to participate in McKinsey's Forward Program, focusing on building practical leadership, problem-solving, and communication skills to drive organizational success and personal growth in dynamic environments.

Akbank / .Net Bootcamp (Dec 2023 – Feb 2024)

- Focused on backend development with technologies including CQRS, MediatR, Entity Framework Core, MSSQL, PostgreSQL, JWT, Redis, In-Memory Cache, Hangfire, Serilog, and LINQKit.
- Created a comprehensive banking application featuring account and transaction management.

Up School / Full-Stack Development Trainee (Jan 2023 – Aug 2023)

- Specialized in ASP.NET Core, Entity Framework Core, Web APIs, CQRS, Selenium, Single-Page Applications using Blazor and React (Typescript), SignalR, Database Design, System Design, and Clean Architecture.
- Mastered state management with Redux and implemented design patterns such as Memento and SOLID.

Patika.dev, Kodluyoruz / Back-End Web Development Bootcamp (June 2022)

- Focused on backend development using Java, specializing in building secure and scalable systems.

IENSTITU, English (C1-C2 Training) (Sep 2020)

- Completed advanced English training, achieving fluency in both professional and technical contexts.