Mustafa Çetinkaya

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Summary

With over six years of experience as a software engineer, I have a master's degree in computer science and an iTEP Business-Plus certification at level B2. I am currently working at Softtech, a leading company in the FinTech sector, where I develop and improve features for an application that handles over 200 million transactions per day.

My core competencies include application development with .Net Core, .Net Web API, WPF, xUnit, and SQL as well as implementing DDD, TDD, and n-Tier Architecture. I am also skilled in Dev-Ops Tools, and Agile Methodologies such as BitBucket and Jira. Additionally, I have a strong background in mobile and computer forensics, having investigated over 150 cases in this field. My mission is to deliver high-quality solutions that meet the needs and expectations of the clients and users, while also enhancing my technical and analytical skills.

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Experience

< Senior Software Engineer

Softtech

Jan 2023 - Present (9 months)
I worked as a software engineer at the Next Generation Transformation Team of Digital Channels in FinTech.

Development
Added new features to Türkiye İş Bankası İşCep mobile banking application, which has above 200 million transactions per day. (www.isbank.com.tr/en/iscep)
Created backend new services with Rest and SOAP architectures, and consumed them securely and fastly.
Created new services in Java Spring, and deployed them with Kubernetes Pods, maintaining, and monitoring their performance.
Improved existing legacy infrastructure in a big monolith application, and provided sustainability, robustness, and performance.
Shared new experiences with the team per week in technical meetings, and discussed them to make them best practice for the team.

DevOps
I used those tools to deploy applications: Docker, Openshift, XL Release.

Persistent Data
I worked in Oracle and MsSql databases.

Customer Support
I had critical sessions with the customer support team one day a week to solve their problems.

Senior Software Engineer

İstanbul University-Cerrahpaşa

Aug 2022 - Dec 2022 (5 months)

I was part of a team of about 20 analysts and software engineers. We applied Agile and Scrum business management approaches. Each month, I was assigned tasks in a different project. I published my codes using Dev-Ops tools in accordance with Agile principles.

Development

I have used Mediator and CQRS design patterns in some projects.
I've consumed SOAP and Rest services; During these processes, I performed serialization/deserialization operations on XML and JSON file structures and used the Automapper tool.
I automated some processes with Quartz Scheduler.
I made the following improvements in the Architectural project used as a template: I upgraded the project libraries from .Net Standard 2.0 and .Net Core 3.1 to .Net 6, added unit tests with xUnit for the business layer, development environments (Development, Staging, Production) and I created appsettings files for the presentation layer.

Persistent Data

I worked in MsSql and Oracle databases.
I improved code-first and DB-first approaches with EntityFramework and Dapper ORM tools.
I transferred data between databases on different servers.

Others

I made Front-end developments with Javascript, Html, and CSS.
I made minor improvements to the mobile application using the Expo platform written in React-Native.

Research And Development Manager

Adli Tıp Kurumu (Council of Forensic Medicine)

Apr 2019 - Jul 2022 (3 years 4 months)

Laboratory Management System

The application was created with Claris Filemaker and is run on the server side. The process of entry, management, and reporting of the information regarding the evidence in the cases is carried out on this system. Experts are classified according to their powers. The application works with different database systems.

Console Apps

Console applications have been developed to automate some analyzes by communicating with different servers via Curl.

Desktop Apps

Desktop applications have been developed that allow some analysis to be automated. Application distribution was done with ClickOnce.

Web Apps

Web applications have been developed using ASP.Net Core technology, which automates some analysis.

Windows Services

Windows Service applications have been developed that enable virtual machines to perform the tasks assigned to them in a sequential manner.

Mobile Forensic Examiner

Adli Tıp Kurumu (Council of Forensic Medicine)

Apr 2017 - Apr 2019 (2 years 1 month)

Mobile devices belonging to terrorist crimes cases and other pieces of evidence (memory card, sim card, etc.) obtained from these devices were examined.

The tools used: Access Data FTK Imager, Cellebrite UFED 4PC, Cellebrite UFED PA, MSAB XRY, Oxygen Forensic, Forensic Explorer, X-Ways Forensics, Magnet Axiom, Passware Kit Forensic.

Software Developer

Maxinn Kurumsal Hizmetler

Sep 2012 - Sep 2014 (2 years 1 month)

It is a project that allows users to purchase services/products on the website, earn points with purchases made, and use the earned points for their next shopping. In the project, RFID cards were given to the users and user identification was carried out on these cards.

Web App

An e-commerce web application was developed using ASP.Net MVC technology, which enables users to purchase products through the website. The app also has an admin panel.
Technologies used: ASP.Net MVC, Jquery, MSSQL, TFS.

Desktop App

A desktop application has been developed that enables the realization of sales transactions in workplaces. The distribution of the application was carried out with ClickOnce.
Technologies used: WPF, MSSQL, TFS.

Education

Istanbul University

Master's degree, Computer Science

2019 - 2021

Thesis topic: Malware Detection With Memory Analysis on Windows System Processes

Istanbul University

Bachelor's degree, Computer Engineering

2014 - 2016

Suleyman Demirel University

Bachelor's degree, Computer Teacher Education

2008 - 2013

Center of Vocational and Technical Education

High School's degree, Computer Programming

2005 - 2008

Licenses & Certifications

MIT University Entrepreneurship Certificate - Massachusetts Institute of Technology

SDU Foreign Language Certificate - Suleyman Demirel University

Forensic Explorer Analyst - GetData Forensics

Certified BlackLight Examiner - BlackBag Technologies

Building Web APIs with ASP.NET Core in .NET 6 - LinkedIn

Advanced Web APIs with ASP.NET Core in .NET 6 - LinkedIn

Advanced ASP.NET Core: Unit Testing - LinkedIn

C# Test-Driven Development - LinkedIn

C# Refactoring Tips and Tricks - LinkedIn

Software Architecture: Domain-Driven Design - LinkedIn

OWASP Top 10: #7 XSS and #8 Insecure Deserialization - LinkedIn

Secure Software Development - Softtech

iTEP Business-Plus, Level B2 (Upper Intermediate) - iTEP International
1230B514BP

Kubernetes for Developers: Core Concepts - Pluralsight
app.pluralsight.com/achievements/share/a38abd59-96e1-4ab4-b06f-52b5049c0452

Kubernetes for Developers: Deploying Your Code - Pluralsight
app.pluralsight.com/achievements/share/018ae6dc-2705-4da6-88e5-e7c34bd8be3c

Fundamentals of Docker and Kubernetes for .NET 5 Developers - Pluralsight
app.pluralsight.com/achievements/share/bb4fc23b-8092-4d0b-bc3d-94b4e3db73ba

Skills

Business English • Agile Methodologies • .NET Core • Windows Presentation Foundation (WPF) • Unit Testing • SQL • Domain-Driven Design (DDD) • Test-Driven Development • DevOps • Kubernetes