

# Mustafa Çetinkaya



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<https://mucet.github.io/>

## Summary

MSc.

Senior Software Engineer with +5 years of experience.

Experienced in .Net Core, .Net Web API, WPF, xUnit, T-SQL, and jQuery.

Skilled in working on DDD, TDD, and n-Tier Architecture.

Skilled in working on Agile Methodologies and BitBucket with Jira.

Experienced in working on Mobile and Computer Forensics (over 150 cases investigated).

## Experience



### Senior Software Engineer

Istanbul University-Cerrahpasa

Aug 2022 - Present (4 months +)



### 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 sequentially assigned to them.



### Quality Team Lead

Adli Tıp Kurumu (Council of Forensic Medicine)

Jun 2019 - Dec 2021 (2 years 7 months)

Application of the ISO/IEC 17025:2017 Standard to the Digital Forensics Department

More than 300 documents have been created for the application of ISO/IEC 17025:2017 Standard to the Digital Forensics Department: Investigation method, validation report, instruction, form, plan, task and responsibility form, workflow diagram, etc.

#### Chain of Evidence

Keeping a record of everyone who contacts the evidence and all transactions made.

#### Authorization

Giving training to the personnel who have just started or changed their investigation field, about the field they will work and the method they will be authorized.

#### Validation

Validation of investigation methods.

Validation of software developed for use in investigations.

#### Competency Check

Receiving method-specific proficiency tests from independent institutions every year and applying them by the personnel and comparing the results.

#### Audit

Carrying out an internal audit every year to detect deficiencies or changes that occur over time during the implementation of the system.

Every year, an international organization audits the up-to-dateness of the examinations made.

#### Risk Management

Risk analysis using the FMEA technique every year.

#### Other Missions

Preparation of annual activity reports.

Notifying the management of what has been done in the past year and the targets for the next year at the meeting held in the last months of the year.

Preparation of next year's training plan in the last months of the year.



### **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 are: Access Data FTK Imager, Cellebrite UFED 4PC, Cellebrite UFED PA, MSAB XRY, Oxygen Forensic, Forensic Explorer, X-Ways Forensics, Magnet Axion, 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 Engineering  
2019 - 2021



### **Istanbul University**

Bachelor's degree, Computer Engineering  
2014 - 2016



### **Suleyman Demirel University**

Bachelor's degree, Computer and Control Teaching - Faculty of Technical Education  
2008 - 2013



### **Center of Vocational and Technical Education**

High School's degree, Computer Hardware  
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



**.NET MAUI First Look** - LinkedIn



**Advanced ASP.NET Core: Unit Testing** - LinkedIn



**C# Test-Driven Development** - LinkedIn



**C# Refactoring Tips and Tricks** - LinkedIn



**Learning Vue.js** - LinkedIn

## **Skills**

Bootstrap • Model-View-Controller (MVC) • Agile Methodologies • Object-Oriented Programming (OOP)  
• JavaScript • HTML • Entity Framework (EF) Core • Entity Framework • Language Integrated Query (LINQ) • xUnit