



# Muhammed Said Kaya

## Software Developer

Who very motivated , determined and industrious about improving himself. Main academic interest are Blockchain, Decentralized App Development and Web Development.

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## EDUCATION

### Computer Engineering Hacettepe University

08/2016 - Present

GPA : 3.27/4.00

- Database Management Systems
- Software Engineering
- Wireless and Mobile Network
- Information Security
- Secure Programming
- Design Patterns
- Fundamentals of Blockchain
- Fundamentals of Artificial Intelligence

## WORK EXPERIENCE

### Software Developer Tübitak Bilgem YTE

10/2020 - Present

Ankara-Turkey

- Worked on The "Collection", "Receivable", "Asset" microservices of the "MGM" project, which enables the joint management of the accounting transactions of all public institutions and organizations within the scope of the central government budget.

### Software Engineering Intern Tübitak Bilgem YTE

07/2020 - 08/2020

Ankara-Turkey

- Created a Single Page Web Application (Activity Management System). ReactJS, Spring Web, Spring Data JPA, Spring Security and PostgreSQL used. For geological informations Geocode and Google Map used.

## ORGANIZATIONS

### PyLadies Ankara (11/2020 - Present)

R&D - Organization Committee Member

## KNOWLEDGES

JavaScript

React.JS/Redux

Express.JS

Ember.JS

SQL

MySQL

PostgreSQL

MongoDB

Python

C

Java

Spring Framework

Hibernate

Docker

Git

OOP

ELK Stack

Solidity

Microservice Architecture

Database Design

Linux

Blockchain

Smart Contracts

## PROJECTS

### Web Application : File Repository in Ethereum

- ExpressJS - ReactJS - Web3JS - MongoDB
- Truffle - Ganache - Solidity
- Files which are belongs to students stored on smart contract and functions are called through rest api. Only Students' affairs personel login the client and request to endpoints by using JWT for authentication.

### Paper : Quorum Permissioned Blockchain

- Literature Review Blockchain, Ethereum and Quorum

### Web Application : Local Firestore (NoSQL Database)

- ReactJS - Redux
- Command Pattern used for encapsulating CRUD request on any document and by using stack of requests, undoable operations created.

### Mobile/Arduino Application : Bluetooth RC Car

- Flutter - C
- Developed a remote-controlled car for video surveillance. This car is controlled by an Android application, and visual data is observed on any web browser connected to the same network as the car

### Web Application : Bookstore

- ReactJS
- Spring Web - Spring Data JPA - Spring Security
- MySQL

### Desktop Application : Crypto Messenger

- Java Swing
- Multi Client/Broadcast Server
- Socket Programming
- Symmetric Block Ciphers : AES - DES

### Web Application : Shopping Platform

- MySQL Procedures - Functions - Triggers
- PHP - HTML - CSS

## LANGUAGES

English

Full Professional Proficiency

Turkish

Native or Bilingual Proficiency

## INTERESTS

Origami

Video Games

Soccer

Basketball