



## Ömer Savaş

Date of birth: 30/08/1988

Nationality: Turkish

Gender: Male

### CONTACT

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### ABOUT ME

For nearly 15 years, I have worked at a professional level in almost every layer of an IT product, from full-stack software development to create to data center and maintains. My special interest are GIS, IOT and open source.

### CREATIVE WORKS

#### 01/01/2017 - CURRENT

##### Angaryos (No-Code ERP)

It is an open source **No-Code ERP** platform that I have developed to free software developers from the drudgery of software. It has seen several major **version** changes over time and continues to evolve. Since it contains important solutions such as **Web Application, GIS, E-signature, API, Mobile** application, it enables even the most complex projects to be developed at high speed. I developed this whole project myself for a long time; Now, with the formation of the community, I work part-time as a **system architect and developer**.

(MicroAPI, Docker, Traefik, Php, Laravel, Angular, Java, Postgresql, PostGIS, Memcache, GeoServer, Varnish, ELK Stack)

<https://github.com/mikroGovernment/angaryos> <https://medium.com/software-development-turkey/angaryos-tanitim-63b1815d6bf>

#### 01/09/2011 - CURRENT

##### Government Informatin System (Management and decision support system)

The central knowledge system that I have developed for Kütahya Special Provincial Administration. It contains all the solutions that the institution needs and provides a data source working as API for external softwares. It contains a lot of different kind of modules from official works carried out with e-signature to Geographical information system or working hours tracking system. As basis, it is a central and a multi-channeled application that contains/provides all the software that the institution needs, from showing the remaining toner amount of the printers to the amount of fuel consumed by the vehicles, from the preparation of the required payroll data for the salary of the employees to the tracking of the villages whose garbage collection is delayed. Currently, it serves directly or indirectly 40+ institutions.

Since 2011, I have worked as an **analyst, architect and developer** in this project, which is the entire digital transformation of the institution. I am currently working as a **team leader and developer**.

(MicroAPI, Docker, Traefik, Php, Laravel, Angular, C#, Java, Python, Tensorflow, Selenium, Postgresql, PostGIS, Memcache, GeoServer, Varnish, ELK Stack, Raspberry PI, Atmega)

<https://medium.com/software-development-turkey/analogdan-dijitale-bba16f7520c9> <https://omersavas.com/sunum/>

#### 01/01/2019 - CURRENT

##### Artificial Intelligence Model Development

I developed deep learning models to solve problems such as satellite photo segmentation, staff tracking device image problem detection, signage recognition for GIS, and put them into service in a scalable way.

(Python, Tensorflow, Docker, API, Colab, GCP TPU)

<https://medium.com/huawei-developers-tr/derin-ogrenme-ile-uydu-fotografi-segmentesyonu-9b266a9a2a1a> <https://medium.com/>

**01/01/2018 – CURRENT**

### Staff Time Tracker Device

Time tracking device that I developed for Kütahya Special Provincial Administration and published as **open source**. The software, design and production are entirely mine. Currently, **100+** units have been produced and the time tracking processes of all public institutions in Kütahya are carried out through these devices.

(Raspberry PI, Arduino, API, RC522, Python, Micro C, Circuit design, 3D design and printing)

<https://github.com/omersavas26/MesaiTakipCihazı>

**01/01/2016 – 01/01/2018**

### On Premise Micro Data Center

I have installed and continue to manage a micro data center with completely **open source** software for public institutions in Kütahya and the surrounding provinces. Currently, 40+ institutions receive service directly or indirectly.

(Fortigate, Proxmox, VMware, Linux, Windows, FreeNas, Ceph, Raid, Docker, Kubernetes, DHCP, VLAN, DNS)

<https://omersavas.com/sunum>

**01/01/2019 – 01/01/2020**

### VM Backup/Migrate Software

Within the scope of a KOSGEB project for a company, I developed a scalable software for the migration of virtual machines in the Proxmox and VMware virtualization environment, offline backup and recovery as a new machine from backup.

(Proxmox, Proxmox API, VMware, vCenter, Esxi, Ssh, Python)

**01/01/2019 – 01/06/2019**

### SmartBox for Professional Cameras.

It is the whole of hardware and software that I have developed in order to view the photos in offline digital cameras live from within the mobile application and to manage them remotely. Unfortunately, I could not put this prototype into production.

(Orange PI, Python, Wifi, API, Devre tasarımı, Ionic)

<https://medium.com/@omersavas26/akilli-kamera-aporati-fb270618c354>

## EDUCATION AND TRAINING

**01/01/2012 – 01/01/2015**

### Electrical and Electronics Engineering (Master)

Dumlupınar University Institute of Science and Technology

**01/09/2007 – 01/06/2011**

### Computer Engineering

Dumlupınar University

**01/09/2005 – 01/06/2007 – Turkey**

### Computer Technology and Programming

Anadolu University

Address Turkey

**01/01/2003 – 01/01/2007**

## Web Design

Via video courses as a hobby

## WORK EXPERIENCE

**01/08/2011 – CURRENT** – Kütahya, Turkey

### Computer Engineer

Kütahya Special Manegament (Government)

Software development, System administrating, Embded system development

**01/01/2010 – 01/01/2011** – Kütahya, Eskişehir, Turkey

### Freelance Developer

Agencies in Kütahya and Eskişehir

Developing free time web and desktop applications for agencies and companies in Kütahya and Eskişehir

**01/01/2008 – 01/01/2010** – Eskişehir, Turkey

### Remote Webmaster

Progela IT Services

Developing web applications and corporate websites.

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Türkçe

**OTHER LANGUAGE(S):**

English

**Listening**  
B1

**Reading**  
B1

**Spoken  
production**  
B1

**Spoken  
interaction**  
B1

**Writing**  
B1

## DIGITAL SKILLS

### My Digital Skills

#### General

OOP / Clean Code / SOLID-YAGNI-KISS / Design Patterns / CBS / Geoserver / Photoshop

#### Architect

Memcache / Redis / Varnish / Mqtt / Rabbit MQ / Microservice / MVC-HMVC / MVVM / CI-CD / Traefic / ELK Stack / Testing

#### Frontend

v8 Engine / Typescript / Angular / OpenLayers / Jquery / Saas

#### Backend

Rest / SOAP / API / Durumsuz Mimari / E-sing / ORM / Php / Async Php / Swoole / Laravel / Codeigniter / C# / .Net Core / Linq / Entity Fw

#### Database

ORM / Mysql / Postgresql / PostGIS / Replikasyon / Normalization-Denormalization

#### System - Cyber Security

Netcat / Fiddler / Tcpdump / Http-Https / OSI Layers / DNS / VLAN / DHCP / Wireshark / Burp Suite / Nmap / Fortigate / Proxmox / Ceph / Raid / VMware / Esxi / FreeNAS / Docker / Kubernetes / strace

#### Artificial Intelligence

Python / Tensorflow / Autoencoder / GANs / NLP / Object Detection

#### Mobile

Flutter / Ionic

## Embedd Systems / IOT

Raspberry Pi / Orange Pi / Arduino / Atmega / NodeMCU / 16F877A / I2C / Serial bus / SPI

## SKILLS

### Job-related skills

1. Developing algorithms and project planing
2. Software and hardware based fast solitions
3. Software architecture
4. AI - Deep learning / Image Processing / NLP
5. Following new technologies
6. Embedd systems and microprocesor architecture
7. Network and System Administrating

### Other Skills

1. Quantum programing
2. Elektronik circuit design
3. Graphic design

## MANAGEMENT AND LEADERSHIP SKILLS

### Software team leadership

I have been working as a developer and team leader in the software development department at Kütahya Special Provincial Administration since 2019.

### DevOps team leadership

I have been in Kütahya Special Provincial Administration as a leader and mentor in the system and network team since 2019.

## HONOURS AND AWARDS

**01/06/2022**

**3rd place in Deep Learning Coding Marathone** – Huawei - Btk Academy

In the 2022 coding marathon organized by Huawei and BTK Academy, I was awarded the Huawei Mate Book award by solving an image segmentation problem in the field of Artificial Intelligence with a hybrid model.

## CONFERENCES AND SEMINARS

**Quantum Computing & Programing**

**CEH (Certified Ethical Hacker)**

**Coursera Deep Learning Serisi (5 Course)**

**Microsoft Certified Solutions Expert**

**ISO27001**

**Various GIS certificates issued by Başarsoft, Netcad and Esri**

## HOBBIES AND INTERESTS

**Playing the Clarinet**

I have been playing the clarinet as a hobby since high school.

**Quantum physics and Space**

I enjoy following publications in this field.

**Computer Games**

I haven't been playing games for a long time, but I passed the helicopter mission in GTA Vice City in one go in 2003 :)

## DRIVING LICENCE

- **Driving Licence: A2**
- **Driving Licence: B**