MURAT AYDIN

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Please refer to www.farkow.com for digital version with videos and images.

He started his computer life when he was 11 by curiosity on development of Fifa 98 with C++.
His professional life started at the second class of his university. After he develops an emulator for Playstation 1 games in Intel MID devices, he got an offer from various companies in Turkey. After a couple of years, started his own company and worked as a subcontractor for private companies who does softwares for government and military defence. Technological and development limitations in Turkey made him decided to shut down his own company and start over in Europe.

CURRENT STATUS

Experience	11 years in business and development
Occupation	KI Labs GmbH as Tech Lead
Personal	Single, 0 infant, no religion
Languages	Turkish *(native)*, English *(fluent)*, German *(beginner)*

EDUCATION

Hacettepe University	:	Bachelor of Science *Department of Statistics*	https://www.hacettepe.edu.tr/english/
Middle East Technical University	:	Entrepreneurship Education	http://www.metu.edu.tr/
Ozyegin University	:	Entrepreneurship Education	https://www.ozyegin.edu.tr/en
Umitkoy Anatolian High School	:		

WORK EXPERIENCE

KI Labs *Munich*	Tech Lead	2017-////	https://www.ki-labs.com
The Future Group *Oslo*	Sr. Software Developer	2017-2017	https://www.futureuniverse.com
Podoces Technology *Ankara*	Founder & C.E.O.	2011-2016	
Intel Corporation *Ankara*	Software Developer (remote)	2009-2010	https://www.intel.de
Bilisim Inovasyon *Ankara*	Software Developer	2009-2012	
M.E.T.U. Atom *Ankara*	Game Developer	2008-2009	http://www.atom.org.tr/en

SUBCONTRACTOR *as own company Podoces Technology*

Iki Teknik Bilisim *Ankara*	Software Lead	2009-2010	http://www.ikiteknik.com
Tiga Bilisim *Ankara*	Project Manager	2011-2017	https://www.tiga.com.tr/en/
Orbis Software *Ankara*	Software Lead	2015-2017	http://www.orbisteknoloji.com.tr/
Funrock Media *Stockholm*	Game Development Lead		http://funrock.com/

INDUSTRIES

General back-end softwares, military defence, simulations, virtual reality, government softwares, banking

FEATURED PROJECTS

CheMondis
KI Labs >> Tech Lead
Technologies: python django azure kubernetes jenkins cdn metabase iupac indigo

CheMondis is a digital chemical marketplace owned by Lanxess Corporation.
Project Details by CheMondis - https://www.chemondis.com/
CheMondis for Buyers: Enjoy the CheMondis journey of finding, purchasing and receiving chemical products! Real-time access to product data, data sheets and supplier certificates make your life easier. Place orders with immediate availabilities and receive shipment within days.
CheMondis for Suppliers: Enjoy the new way of digital distribution of your products. Easily find and onboard new buyers and discover the advantages of processing the order via CheMondis.
https://vimeo.com/297985895

Lost in Time
The Future Group >> Software Development + Performance Analyst + Cyber Security
Technologies: oracle microservices go php linux bash jmeter python

Project Details by Fremantle Media - https://www.futureuniverse.com/
Leading content creator FremantleMedia today announced Lost in Time, a newly-developed, first-of-its-kind entertainment format using Interactive Mixed Reality™ (IMR) on both TV and mobile devices.
Lost in Time is set to push the boundaries of television as we know it by incorporating real-time special effects pioneered in The Matrix that bring a feature film experience to the TV. Lost in Time allows viewers to compete in the show to win prizes through an iOS or Android app in a first-ever blending of primetime TV and mobile entertainment.
Lost in Time follows three contestants as they are transported into different eras including the Wild West, Ice Age, Medieval age and the Jurassic period where they compete in a series of epic challenges against the clock with the aim of winning one jackpot prize. The fast-paced entertainment show will keep viewers on the edge of their seats as they watch the contests battle it out to be crowned Champion.
Viewers can also be taken to the Lost in Time virtual world via a smartphone or tablet app where they are able to play against the show contestants as well as other players from across the country in real-time.
https://youtu.be/O-84piSTkyY
Making of Lost in Time: https://youtu.be/nYLyrWCTnHo
International Format Promo: https://youtu.be/GLFLZRpRAN8
1 Episode from Norway: https://youtu.be/FoiKoapC1Vc

The Pharmaceutical Track & Trace System
Podoces + Tiga >> Project Manager + Back-end Software Development
Technologies: php mysql java cron bash encryption

Project Details by Tiga https://its.gov.tr/
The Pharmaceutical Track&Trace System's (ITS) aim is to provide drug safety and prevent counterfeiting. System follows the supply chain from the production/importation to the end user.
ITS prevents the counterfeit and illegal drugs getting into the system by following the drugs at every step of the supply chain.

By using the electronic product code (2D Data Matrix), it is possible to track and trace every drug from the production line to warehouse, warehouse to pharmacy and pharmacy to the end user with this system.

System controls the drug sales and ensures that a drug is sold only once by getting notifications from manufacturers, importer, wholesalers, pharmacies and insurance companies.

In addition, this system greatly contributes to market assessments by providing big data to the decision makers.

https://youtu.be/nns0IT-3EvQ

KYK.NET

Podoces + Tiga >> Finance Module Lead + Back-end Software Development + Banking Integrations

<u>Technologies:</u> php python bash ssl mysql oracle .net

Project Details by Tiga https://kyknet.kyk.gov.tr/

KYKNET Project enables "Kredi ve Yurtlar Kurumu" (KYK - Institution responsible for student loans and residences in Turkey - Ministry of Youth and Sports) to manage all institutional processes digitally.

The information provided by the students that applied to KYK undergoes an evaluation process after the information is verified.

After the evaluation process is completed digitally, the students are sorted according to their evaluation result and then the students are placed to the proper dorm nearby their location.

In order to carry out these processes properly, "Student Placement Project" has been put into practice by our company.

The students' evaluation results and their universities/departments' locations are taken into account by the placement algorithm. The algorithm is now in use by KYK and placements are done trouble-free.

https://youtu.be/_oQmjm38aWk

CAR SIMULATION + HYDRAULIC 6DOF

Podoces >> Shareholder + Tech Lead

<u>Technologies:</u> iot csharp unity3d pic sqlite servomotors async 3 display

A driving simulation with a 6DOF machine for police force to train car chases.

This Hyundai model is the most common car for police forces in Turkey, especially for homicide department.

The engine is removed and replaced with a computer and servomotors of 6DOF machine. The car's pedals and lights are functional with the simulation's input. Original speakers are connected to the computer. 3 different monitors are used in front of the car. Hydraulic 6DOF which is built for only this car simlation can carry 5 tons.

https://youtu.be/HHKF1s0q0mc

Inside the car: https://youtu.be/Wk6G__fElGc

TURKSAT TSUNAMI

Tiga >> Software Development

<u>Technologies:</u> .net mssql ios android

Project Details by Tiga

Tsunami Project is an overall management system, which has been primarily created for the purpose of digitalizing the cable infrastructure assets, and additionally avails the fulfillment of several management needs using a single system.

Tsunami project, first and foremost, created to digitalize the cable infrastructure assets of TURKSAT. It also serves as a single comprehensive system to satisfy all management needs of our customer.

Turksat Satellite Communications and Cable TV Operations Company (Turkish: Türksat Uydu Haberleşme Kablo TV ve İşletme A.Ş.) is the sole communications satellite operator in Turkey.

The system has 4 main parts: project management, inventory management, field & team management, mobile platform.

By integrating TURKSAT network information into the CBS environment TURKSAT definitely detects the reason of the problem with the help of this project in case of any trouble. In this way, any possible problems will be solved within the shortest time.

https://youtu.be/IOz_1Oy8nnE

EBASIS

Podoces + Tiga >> Tech Lead

<u>Technologies:</u> unity3d csharp c++ matlab image-recognition kinect2

A patient software that can be commanded by doctors to give tasks to old patients or to check their health status with Kinect 2 Ebasis is in development with Kinect 2 and Microsoft Band to serve home health care systems. It watchs unwell and elderly people in their home, without breaking privacy rules and without disturbing them, and keeps records about their activities, pulse, emergency situations, and creates reports. It collects state statistics, watches pulse and reports immediately, emergency signals when high or low

pulse detected, sends emergency signal with a special hand movement which is custom created by a patient, sends emergency signal when a patient fell into the ground, watches, records and reports exercises.
https://youtu.be/DcOY6TbcbiI

RIVALITY: ZOMBIE ATTACK
Podoces + Funrock Media >> Game Development Lead
<u>Technologies:</u> unity3d c#

Rivality : Zombie Attack is a mobile strategy game includes 2 layer zoomable map, tactical system, structure levels, unit levels, damage and repair, grid system, environmental units, rivers, mountains, conquer, market, discovery, assignments, prices, in-app payments, science and development, different military units, different structures, 2D orthographic camera, artificial intelligence and zombies.
https://youtu.be/kDYibFfdc8M

FEATURED PENETRATION TESTS *as own company Podoces Technology*
metasploit nmap wireshark xplico smtp hping firewalk dnsmap sqlmap aircrack kismet

TURK PATENT
Turkish Patent Institute has hereby been established, as an independent legal entity with a special budget being attached to the Ministry of Industry and Trade to be liable under special judiciary provisions for matters not provisioned by this Decree-Law, with the objective of supporting the technological development in Turkey and of establishing and protecting of industrial property rights, as well as providing the public with the worldwide information on industrial property rights, thereby supporting the cultivation of a competitive environment and the development of research & development activities. The Turkish Patent Institute established as a public institution shall have ''TPE'' as its initials.

AKBIS
Project Details by Tiga
AKBIS is developed in order to provide management of and coordination between all Ak Parti units.
The management information systems provided under the AKBIS package, designed to contain all units and their activities of the party. Thus, all the processes and related documents are transferred to the electronic environment and tracking/management of these are now can be done on this digital platform.

OTHER
- Intel Success Story; PDF by Intel: http://farkow.com/data/intel.pdf
- A special Unity3D course is given for Directorate General for Innovation and Education of Turkey
- Opened a Unity3D course, first in Ankara / Turkey
- A PHP course is given for The Turkish Radio and Television Corporation development team
- "Oyungezer" and "Level" / Turkish game magazine appearance for the things made for Intel

INTERESTS
Supersport bikes, military softwares, barbecue, virtual reality