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Üstün Özgür

About

Software architect & engineer **Full-stack software engineer**, with more than 10 years of experience building applications from the ground up, leading their development from idea to commercial success, Major technologies I use are:.

JavaScript **React, node and related tech**, Expert level frontend and backend experience.

Python **Django and other Python libs**, Highly experienced with Django, built major web apps with it.

JVM **Java & Clojure**, Extensive experience building Java and Clojure (and ClojureScript for frontend) based web apps.

.NET **C#**, Highly experienced with C# and authoring Office addins.

Devops **Modern software development**, Extensive experience with configuring CI/CD systems. Expert level Linux experience, 10+ years running Debian and Ubuntu based systems, running and configuring production stacks using software such as ansible, fabric.

Experience

Professional

June 2018 – Present **Founder, Rugila Technology**, Software development company offering software services for digital transformation and modernization of software stacks for companies; and products in manufacturing planning and cybersecurity.

Jan 2013 – May 2018 **Founder, Ustun Ozgur Software Consulting**, Software development company based in Istanbul focusing on modern Web technologies, mainly Python, JavaScript (Specifically Django and React).

June 2011 – May 2017 **CTO and Lead Developer, SellerCrowd.com**, Developed NY based tech startup SellerCrowd.com using Django and React. A social networking platform for the advertising industry with more than 20,000 members.

2011 **Lead Developer of Video Analytics Software, Bor Software**, Developed a video analytics platform using Java.

Products Built

2017 – Present **Rugila Classification**, Document classification and tagging software for Windows, with a back-end collecting all data within the company, as part of KVKK and GDPR regulations, Rugila Technology Software.

2017 – Present **Rugila Discovery**, Document discovery product, discovering all sensitive data within the company, as part of KVKK and GDPR regulations, Rugila Technology.

- 2016 – Present **OmniScient**, *Project management software built for Aselsan-Bilkent MikroNano Nanotechnology Transistor Factory*, Ustun Ozgur Software.
- 2011 – 2016 **SellerCrowd**, *Social networking platform for media sellers in advertising industry*, SellerCrowd.
- 2011 – 2012 **Video Analytics Software**, *Software used for commercial and training purposes. Customers include the Turkish Military*, Bor Yazilim.

Consultancy History

- Mar 2017 – Feb 2018 **Ziraat Technology**, *Influential in the development of React based new banking software.*
- June 2017 – Mar 2018 **Avivasa**, *Leading the modernization of base software. Enabling the transformation from main-frame (AS-400) based structure to Java-based middleware layer to be used for frontend Java and JavaScript teams.*

Trainings Given

- 2018 **Fibabanka**, *JavaScript Ecosystems.*
- 2017 **Avivasa**, *Java and JavaScript Ecosystems.*
- 2017 **Insider**, *JavaScript Ecosystem.*
- 2017 **Ecozum**, *JavaScript Ecosystem.*
- 2017 **MEB Yegitek**, *JavaScript Ecosystem.*
- 2016 **Ziraat Technology**, *JavaScript Ecosystem.*
- 2016 **Hurriyet Newspaper**, *Various lectures on Modern Software Architectures, NoSQL, JavaScript Ecosystem, Devops.*
- 2015 **Oredev Conf, Sweden**, *React Ecosystem.*
- 2015 **AtTheFrontend Conf, Denmark**, *React Ecosystem.*

Conference and Meetup Talks

- 2015 **Øredev**, *How to Read the Internals of React.js*, Conference, Nov 2015. Malmö, Sweden
- 2015 **Øredev**, *React.js Workshop*, Conference, Nov 2015. Malmö, Sweden
- 2015 **At the Frontend Denmark**, *How to Read the Internals of React.js*, Conference, May 2015. Copenhagen, Denmark
- 2015 **At the Frontend Denmark**, *React.js Workshop*, Conference, May 2015. Copenhagen, Denmark
- 2015 **JavaScript Ankara**, *Introduction to React.js*, Meetup, Feb 2015. Ankara, Turkey
- 2014 **Java User Group**, *Introduction to Clojure*, Meetup, Oct 2014. Ankara, Turkey
- 2014 **Js1st 2014**, *Introduction to ClojureScript*, Conference, Sep 2014. Istanbul, Turkey
- 2014 **JavaScript Istanbul**, *Introduction to React.js*, Meetup, June 2014. Istanbul, Turkey
- 2014 **DjangoCon Europe 2014**, *Taming Complexity with Django and React.js*, Conference, May 2014. Riviera, France

Computer Skills

Programming JavaScript, Python, JVM (Clojure, Java),
.NET (C#), Bash (very good)
Objective-C, C (good)
Other Postgresql, Redis, Emacs, L^AT_EX

Libraries about which I Have Extensive Knowledge

JavaScript React, Angular.js, Backbone, jQuery, moment.js, node.js and related libs such as sequelize, express
Python Django, Flask, requests, psycopg2
Java Spring, Hibernate
Clojure Ring, Rum

Education

November, 2009 **Master of Science in Electrical and Electronics Engineering**, *Bilkent University*, Ankara, Turkey, Wrote one of the first MSc thesis on polar codes, invented by Prof. Erdal Arıkan, my MSc thesis supervisor. Polar codes have recently been accepted in the 5G standard.
Graduated in May, 2006 **Bachelor of Science in Electrical and Electronics Engineering**, *Bilkent University*, Ankara, Turkey.
Graduated in June, 2002 **Salutatorian**, *TED Ankara College High School*, Ankara, Turkey, *Diploma Grade: 5.0/5.0*.
Graduated in June, 2002 **International Baccalaureate Organization Bilingual Diploma**, Ankara, Turkey, *IB Grade : 39/45*.

Achievements

2003 **Essay Contest with the Turkey-EU Relationships Theme**, *2nd Place*.
2002 **Nationwide University Entrance Exam**, *Ranked 19th in Turkey in Equal, 26th in Quantative Ranking*.
2000 **Geneva ECIS (European Council of International School) Junior Mathematics Contest**, *First rank, both individual and as part of the school team* .
1995 **Nationwide Anatolian Schools Entrance Exam**, *Ranked 9th in Turkey, 1st in Ankara* .
1995 **Nationwide State Scholarship Exam**, *Ranked 1st in Turkey*.
1995 **Nationwide Private Schools Entrance Exam**, *Ranked 17th in Turkey, 2nd in Ankara* .

Scholarships and Awards

Fall 2006 – **Fellowship with code 2228, TÜBİTAK**.
Spring 2008 in the form of montly stipends; TÜBİTAK (Scientific and Technological Research Council of Turkey) is a Turkish governmental research institute.
Fall 2002 – **High Honor Student (except Spring 2003 semester)**, *Bilkent University*.
Spring 2006
Fall 2002 – **Full Scholarship (due to ÖSS standing)**, *Bilkent University*.
Spring 2006

Fall 1995 – **Full Scholarship**, *TED Ankara College Secondary and High School*.
Spring 2002

Research

- June 2007 – 2012 **Research Assistantship**, *Bilkent University*, Ankara, Turkey, EC funded WiMAGIC Project and TÜBİTAK funded Polar Coding Project.
Implementation of Polar Code Construction, Encoding and Decoding in MATLAB and C.
Implementation of a WiMAX simulator based on MATLAB and C to compare the state-of-the-art FEC codes and polar codes.
Participated in the development of a C++ based WiMAX simulator led by the WiMAGIC project
Supervisor: Prof. Erdal Arıkan
- September 2006 – May 2007 **Research Assistantship**, *Bilkent University*, Ankara, Turkey, EC funded 3DTV Project.
Investigation of several video codec implementations including the VLC player and ffmpeg in order to implement a multiview player based on these.
Supervisor: Prof. Erdal Arıkan and Prof. Dr. Gözde Bozdağı
- February 2006 – May 2006 **Senior Project**, *Bilkent University*, Ankara, Turkey.
MATLAB based image processing project to examine the toxic aflatoxin content in red peppers.
Supervisor: Prof. Enis Çetin

Publications

- June 2009 **ICT-Mobile Summit 2009**, *Santander, Spain*, Erdal Arıkan, Haesik Kim, Garik Markarian, Üstün Özgür ve Efecan Poyraz, "Performance of short polar codes under ML decoding".

Languages

Turkish **Native**
English **Fluent**

TOEFL IBT 111/120 - GRE Verbal 620/800, Quantitative 800/800, Writing 5.5/6.0