

## Esref Ozturk

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- EMPLOYMENT**
- Senior Software Engineer** (February 2018 - Present)  
**Toptal**, Remote  
Toptal is an exclusive network of the top freelance software developers.
- Worked with clients from all over the world. **SF, NY, London, Spain**
  - Developed scalable web applications. **Django, Node.js, React, Vue.js**
  - Developed robust mobile applications. **Android, iOS, Swift, Objective-C**
  - Worked with AWS technologies. **EC2, S3, Lambda, Beanstalk, Serverless**
- Co-Founder** (April 2017 - January 2020)  
**Drive Buddy Inc.**, METU Technopolis
- Adaptive driver behaviour analytics
  - Automated accident detection
- Software Engineer** (June 2016 - June 2017)  
**Udemy Inc.**, METU Technopolis
- R&D on search functionality of *www.udemy.com* **Python, Django, Elastic Search**
- Software Engineer** (February 2016 - May 2016)  
**STM Defence Technologies & Engineering Inc.**, Ankara
- R&D on automated hardening platform for many systems including various OSes(Windows,Linux,FreeBSD...), web servers, mail servers. **Python, Django, Hardening**
- Software Developer** (April 2014 - January 2016)  
**Cyber Warfare Lab, Labris Networks**, METU Technopolis
- R&D on Labris UTM, a Centos derived Linux distribution designed for unified thread management. **C++, Python, Bash, Postgresql, Centos, LDAP, UTM**
- Contracted Software Developer** (June 2014 - September 2014)  
**TUBITAK** (The Scientific and Technological Research Council of Turkey)
- Developed a kernel module that provides multiple clipboards for Debian based operating systems. More information at <http://multiclip.github.io>. **C, Python, Kernel Hooks, X11**
- Software Engineering Intern** (June 2014 - July 2014)  
**Hazelcast**, Istanbul R&D Office
- Developed sample Hazelcast integration modules of Hibernate 2nd Level cache and Spring. More information at <https://github.com/hazelcast/hazelcast-code-samples>. **Java, Hazelcast, Derby, Hibernate, Spring**
- Software Engineering Intern** (June 2013 - September 2013)  
**Kovan Research Lab**, METU

- Developed a web application that lets instructors prepare exams according to preferred criteria. **Python, Django, Mysql**

## **PUBLICATIONS**

- Demirpolat, A., Ergenc, D., **Ozturk, E.**, Onur, E. 2018. "Software-defined Network Security". Enabling Technologies and Architecture for Next-Generation Networking Capabilities. IGI Global.

<b>EDUCATION</b>	<b>M.S., Computer Engineering</b> (Dropout) Middle East Technical University, Ankara, Turkey
	<b>B.S., Computer Engineering</b> (Graduation: June 2016) Middle East Technical University, Ankara, Turkey
<b>TECHNICAL EXPERIENCE</b>	<b>Pwner</b> (January 2014 - Present) <i>www.0xdeffbf.com</i> <ul style="list-style-type: none"> <li>Practicing information security topics, organizing and participating Capture the Flag Competitions.</li> </ul>
	<b>Checkmate</b> (September 2014 - January 2015) <i>CheckmateChess.github.io</i> <ul style="list-style-type: none"> <li>Web application for playing chess running GNUChess in the background.</li> </ul>
	<b>Hypnos</b> (September 2015 - Present) <i>senior.ceng.metu.edu.tr/2016/newline</i> <ul style="list-style-type: none"> <li>Personalized sleep tracking and analyzing system that focuses on optimizing people's sleep. <b>Arduino, Raspberry Pi, Android, Python, Django, Machine Learning</b></li> </ul>
<b>AWARDS &amp; HONORS</b>	<ul style="list-style-type: none"> <li><b>First Place</b>, CTF, Prodaft/Invictus Europe, Turkey, May 2016</li> <li><b>First Place</b>, CTF, STM Defence Technologies &amp; Engineering Inc., Turkey, Oct 2015</li> <li><b>First Place</b>, Web Application CTF, Ankara University &amp; Octosec Information Security Team, Turkey, May 2014</li> <li><b>First Place of Turkey</b>, 67th Team of All, IEEEExtreme Programming Competition 9.0, Oct 2015</li> <li><b>Second Place</b>, among foreign participants, Open All-Ukrainian Collegiate Programming Contest, Ukraine, Oct 2014</li> <li><b>Honorable Mention</b>, Hash Code, Google, Feb 2016</li> <li><b>Honorable Mention</b>, ACM ICPC, SEERC, Ukraine, Oct 2014</li> <li><b>Honorable Mention</b>, ACM ICPC, SEERC, Ukraine, Oct 2013</li> <li><b>Honorable Mention</b>, IEEEExtreme Programming Competition 7.0, Oct 2013</li> <li><b>Honorable Mention</b>, IEEEExtreme Programming Competition 6.0, Oct 2012</li> <li><b>Honorable Mention</b>, IEEEExtreme Programming Competition 5.0, Oct 2011</li> <li><b>High Honor Student</b>, METU Computer Engineering, Feb 2016</li> <li><b>Certificate</b>, Google Developer Challenge Scholarship, Udacity, Nov 2017</li> <li><b>Certificate</b>, MCNA - Network(Fast), Middle East Technical University - Continuous Education Center, May 2014</li> </ul>
<b>EXTRA- CURRICULAR ACTIVITIES</b>	<ul style="list-style-type: none"> <li>Active member of METU-CENG ACM Student Chapter</li> <li>SAYOKAN (Turkish Martial Art)</li> <li>Student Member of IEEE (2011-Present)</li> <li>Student Member of ACM (2013-Present)</li> </ul>