



Mustafa Can Uslu

Data Engineer
Linux System Administrator
Full Stack Developer – DevOps Engineer

Experience

- Dec 2020 – Current **TurkNet Communication Services Inc. – Full Time**
Working as a Data Scientist, operating in both DS and NOC domains.
- Jan 2015 – Dec 2020 **Miletos Inc. – Full Time**
Worked as Data Engineer, Full Stack Engineer, Dev-Ops Engineer and Linux System Administrator
- Jun 2014 – Aug 2014 **Istanbul Technical University – Internship**
Studied on black hole simulations by using Maple and Python with Assoc. Prof. Tolga Birkandan.
- Sep 2013 – May 2014 **Istanbul Technical University – Student Assistant**
Guided students of various Physics laboratory classes, including Computational Physics, Computer Aided Design etc.
- Jun 2013 – Aug 2013 **The Scientific and Technological Research Council of Turkey (TUBITAK) – Internship**
Studied at Radiometry, Photometry, Spectrophotometry and Fiber-optic laboratories.

Education

- Bachelor of Science **Istanbul Technical University, 2010 – 2015**
Engineering Physics
- Master of Science
(Dropped out) **Istanbul Technical University, 2015 – 2017**
Computational Science and Engineering

Publication

- Symbolic and Numerical Analysis in General Relativity with Open Source Computer Algebra Systems
 - **arXiv ID** : 1703.09738
 - **DOI** : 10.1007/s10714-018-2486-x

Honors & Awards

- **ImageNet 2015** – The best model for various classes in object detection challenge.
<http://image-net.org/challenges/LSVRC/2015/results>
- **ImageNet 2015** – The most innovative entry for object detection challenge.
<http://image-net.org/challenges/LSVRC/2015/results>

Languages

- **Turkish** - Native
- **English** - Full proficiency
- **German** - Elementary

Certificates & Conferences

- Akademik Bilisim, 2015, Eskisehir
 - Trainee at **New Application Services: Elasticsearch, MongoDB, Redis**
<https://ab.org.tr/ab15/Kurs/108.html>
- 20. Turkiye'de Internet Konferansi, 2015, Istanbul
 - Lecturer at **Introduction to Deep Learning** course
<http://inet-tr.org.tr/inetconf20/ozet/132.html>
- Akademik Bilisim, 2016, Aydin
 - Lecturer at **Data Science & Deep Learning: Theory and Practice** course
<https://ab.org.tr/ab16/kursdir/349.html>
- Google Cloud Platform Partner Trainer, 2018, Dubai
 - Trainee at **Data Engineering on GCP**

Skills

Data Mining Have intermediate experience on crawling different types of data from web via **Selenium, Scrapy, BeautifulSoup**; extracting useful insights from them via **Scikit-learn**.

Data Processing Have great experience and daily use of processing raw data to use in various machine learning project needs such as **Opencv, Pillow, Scikit-Image** for image data; **NLTK, Gensim, spaCy** for text data; **Numpy, Pandas, JSON, XML** for structured data.

Custom Data Operations	Have great experience and know-how on creating data pipelines, annotation tools, ground-truthing, quality assurance systems, data persistence systems for text and image data.
Machine Learning & Deep Learning	Have elementary experience on the most common ML & DL frameworks such as Tensorflow, PyTorch, Theano ; good understanding of architectures such as ANN, CNN, RNN, LSTM ; have great experience on deploying pre-trained models.
Monitoring	Have great experience and daily use of both legacy and modern monitoring applications: Nagios, Prometheus – Grafana – Exporters stack, Graylog, Elasticsearch – Logstash – Kibana stack.
Web Development	Have great experience on Flask and Django with the most common web servers Apache and Nginx ; Drupal and Wordpress are well-known CMS. Designing and implementing REST APIs are included. Familiar with the most common JS libraries such as jQuery, React.js, Vue.js and framework as Bootstrap .
Cloud Computing	Have intermediate experience on Google Cloud Platform and Amazon Web Services . Used both providers services on various projects.
Networking	Have elementary experience on Traefik, HAProxy, Snort for proxy management and network sniffing. Also have good understanding of network architectures and both TCP and UDP protocols.
Scripting	Have great experience and daily use of scripting for any kind of needs with both Python and Bash .
Version Control	Have great experience and daily use of version controlling of both code and data with the help of Git and DVC .
Environment Management	Have great experience and daily use of Conda (Anaconda, Miniconda) and Python's PIP .
DevOps	Have good experience and daily use of following DevOps tools: docker with docker-compose, swarm and kubernetes, ansible, supervisor .
CI / CD	Have elementary experience on CI/CD operations on Gitlab .
Open Source Technologies	Have great experience, daily use of and consistent contributor of open-source tools.

Virtualization	Have great experience and daily use of Oracle VM Virtual Box and VMware .
Project Management	Have great experience and daily use of the most common agile tools Slack, Trello, Atlassian .
License Management	Have great experience and weekly use of WIBU Systems for software licensing and protection.
Security & Privacy	Have great experience and knowledge on data privacy including Personal Data Protection Law, system level security, web security, OSINT tools due to both personal interest and job needs.
Database	Have great experience and daily use of SQL and NoSQL solutions: MySQL, MariaDB, PostgreSQL, Redis, MongoDB, Elasticsearch .
Storage	Have intermediate experience on different type of storage systems such as Fedora Commons, MinIO, OpenIO .
Search Engine	Have great experience on Apache Solr . Built and customized for various needs.
Authentication & Authorization	Have great experience and daily use of LDAP and OAuth 2.0 applications.
Image Editing	Have great experience on GIMP and Imagemagick .
Operating Systems	Have great experience on Debian, Ubuntu, Linux Mint, Fedora, RedHat and almost all of the GNU/Linux operating systems. MS Windows is also welcomed.
Mobile	Have elementary experience on PhoneGap and Ionic.