

TAYLAN DOĞAN

Software Engineer

@ ttaylan.dogann@gmail.com +31 6 51046987 Amsterdam, The Netherlands
in tr.linkedin.com/in/taylandogan github.com/taylandogan
taylandogan.nl (work in progress..)



EXPERIENCE

Senior Software Engineer

KPN

May 2019 –

Amsterdam, The Netherlands

Python Django FastAPI PostgreSQL Redis Celery
Docker Kubernetes

- Designed and implemented a backend-for-frontend microservice that collects and aggregates data from other microservices.
- Maintained a couple of microservice partitions that are built in Django and FastAPI.
- Contributed to development/integration of a live chat functionality.
- Took part in the migration of microservices to a cloud platform.

Software Engineer

Picus Security

Mar 2018 – Mar 2019

Ankara, Turkey

Haskell Python Flask PostgreSQL

- Maintained Picus engine and supervised build processes.
- Used advanced Haskell concepts such as monad transformers, lenses.
- Developed an internal automation tool using Flask and PostgreSQL.

Software Engineer (ML/DL)

Darkblue Systems

Feb 2017 – Mar 2018

Ankara, Turkey

Python Keras Flask

- Built a car model recognition system that can classify **over 650 car models** with **90% accuracy**, using **Google's Inception-v3** deep learning model. Also, optimized the training process and reduced the epoch time from 3 hours to 15 minutes (12x speed up!).
- Developed a license plate recognition system that recognizes Turkish license plates with **95% accuracy** (acc. with just a single mistake: **98%**).
- Built a sentiment analyzer using **Facebook's Fasttext**, that can classify Turkish tweets into 2 classes (positive/negative) with **80% accuracy**.

Software Engineer

Comodo Security Solutions

Aug 2014 – Mar 2016

Ankara, Turkey

C++ Python Java Postgresql Cassandra

- Worked on a logo detection module that detects logos from a given image by using **LBP features**. Developed a testbed with a user interface for this logo detection system, using Python & PyQt.
- Improved the **ASLab anti-spam engine** by significantly reducing the time spend on an essential database lookup.
- Designed and developed a **web API for our Cassandra mail storage** so that all the other teams could reach the mails.
- Built a **lookup tool** where you could query for MX, DNS, PTR, etc. records of a domain.

SKILLS

Python
C++
Haskell
VueJS
SQL



EDUCATION

M.Sc. in Computer Science

Middle East Technical University

Sept 2014 – July 2018

B.S. in Computer Science

Middle East Technical University

Sept 2010 – June 2014

ACCOMPLISHMENTS

Deep Learning Nanodegree
Completed Udacity's Deep Learning Nanodegree in March 2021.

Master's Thesis
A novel general purpose lossless compression algorithm: Encoding Pluggable Inverted Index Compression.

T-BIGG
Got accepted into T-BIGG entrepreneurship programme in 2017.

Volunteered as a Translator
I was among the top 5 contributors in translation of Meetup website, iOS/Android apps into Turkish.

LANGUAGES

Turkish
English
Japanese



HOBBIES/INTERESTS

Sci-Fi Video Games Drawing
Deep Learning Data Compression
Bioinformatics Game Design