

Filip Dimitrovski

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TECHNICAL SKILLS

Python: Django, numpy/ML, OpenCV
JavaScript: TypeScript, React, Next.js/Remix
Go & ops: Docker, Terraform, Kafka

EXPERIENCE

Senior Software Engineer **Oct 2021 - Jan 2023**
SmartWerk

I wrote the core visualization engine in a interactive JavaScript app for truck route optimization & tracking. I also worked on a Python/Django API for serializing map data.

Software Engineer Nov 2019 - Aug 2020
Loka, Skopje <https://loka.com>

Worked on building a distributed pipeline for indexing medical data. Wrote Python code that utilizes Kafka and Elasticsearch. I wrote transaction and caching code, testing architecture and Kubernetes deployments.

Software Engineer Jan 2016 - Apr 2018
VapourApps, Skopje

I designed a fault-tolerant system & wrote backend Python code that schedules virtual machine deployment and infrastructure initialization.

PROJECTS

Video feed vehicle tracker (OpenCV + ML model) Aug 2019

I experimented with different pretrained object classification models and object tracking algorithms, did transfer learning and end up with a reliable car counter.

- **Technology:** Python
- **Link:** <https://twitter.com/mkrobot/status/1165955815389433856>

Travelling Salesman Approximator Feb 2019

I made a Python library that implements **Lin-Kernighan** heuristic for approximating asymmetric graph TSP solutions.

- **Technology:** Python, native C
- **Link:** <https://github.com/fikisipi/elkai>

CERTIFICATES

- **Machine Learning** by Andrew Ng, Stanford University on *Coursera*

REFERENCES

- **Ljupcho Vangelski** Founder @ VapourApps, Senior Engineer @ Airy.co
ljupco.vangelski@gmail.com
<https://mk.linkedin.com/in/ljupcovangelski>

EDUCATION

Faculty of Computer Science and Engineering
in progress: 7th semester, Computer Science

GPA: 9.3/10.00