

# KARL-ANDREAS TURVAS

## DevOps Engineer & Linux Administrator

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France, Prévessin-Moëns

in katurv



## ABOUT

I would describe myself as talkative and highly fastidious with a touch of humor. I love running and weightlifting, taking and editing photos. I relax by reading, enjoying a movie or meditating. Overcoming novel obstacles, teaching and helping others motivate me like none other. Current dream is to do my part in pushing the space industry forward or otherwise supporting scientists with the power of IT.

## EXPERIENCE

### Python Developer & Linux Administrator

#### CERN (European Organization for Nuclear Research)

Feb 2022 – Ongoing

Harjumaa, Tallinn

- Developing a Python library that abstracts an overwhelming number of different CERN services via APIs.
- Automating system management with Ansible and CI.

### DevOps Engineer & Linux Administrator

#### TalTech High Performance Computing Centre

May 2021 – Jan 2022

Harjumaa, Tallinn

- Automated cluster configuration management to massively increase system administration efficiency.
- Set up and configured Hashicorp Vault for internal credentials and secrets management.
- Provided secure solutions to requirements of current and to-be clients of the HPC Centre.
- Developed InvenioRDM-based data repository.

### Chairman of the Board

#### TalTech Student Council of the School of IT

May 2021 – Ongoing

Harjumaa, Tallinn

- Managing a board of 7 members of the non-profit organisation of nearly 200 members to be voice of IT students.
- Collaborating closely with TalTech, as well as Estonia's largest IT companies and associations alike to enrich the student life by organising educational and entertainment events.

### 3D Modeler

#### Self-employed

Jan 2018 – August 2018

Online

- Imported and optimized 3D models with Blender from different formats into Unity videogame as commissions.

## SKILLS



### Languages

English (CAE C2), Estonian (Native)



### Driver license

B, C, D



### Programming

HTML, CSS, PHP, Python, Assembly, Bash, C/C++



### Hardware

RaspberryPi, Arduino, Tiva C, routers, servers, PC towers, NASes



### Software

Git, Flask, Nginx, SQL, Kerberos, Git-Lab CI/CD, Zabbix, Ansible, Slurm, LaTeX, Blender, Office 365 Suite, Creative Cloud

## EDUCATION

### Bachelor's in Hardware Development and Programming

#### Tallinn University of Technology

Sept 2020 – Ongoing

## REFERENCES

### Lauri Anton

@ TalTech HPC Centre

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### Andres Eek

@ TalTech Dean's Office at School of IT

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