

KARL-ANDREAS TURVAS

DevOps Engineer & Linux Administrator & C/Python Dev

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kturvas



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.

RELEVANT EXPERIENCE

Python Developer & Linux Administrator

CERN (European Organization for Nuclear Research)

Feb 2022 – Ongoing France, Prévessin-Moëns

- Developing a Python library/CLI-tool/server that abstracts an overwhelming number of different CERN services via APIs.
- Automating system management with Ansible and CI.
- Coordinating and standardizing development workflows and automation.
- Deploying Hashicorp Vault on Kubernetes with Kerberos integration.

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 a Unity videogame as commissions.

SKILLS

Languages
English (CAE C2), Estonian (Native)

Driver license
B, C, D

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

Hardware
RaspberryPi, Arduino, PC towers, Cortex-M, routers, servers, NASes

Software
Git, GitLab CI/CD, OpenStack, Ansible, Nginx, Docker, Puppet, Flask, Node.js, ReactJS, SQL, Kerberos, Zabbix, 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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