



MARCELL PÜNKÖSDI

Complex Systems Enthusiast

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Budapest, Hungary

marcsello

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marcsello.com

ABOUT ME

Since I first held a computer, I've had a passion for IT. I always liked to learn new things in any field. Development, operations and networking are my favorites, but I also enjoy working with hardware. In my free time, aside from working on personal projects I also like to take care of my car and spend time with my friends.

SKILLS

Creative Problem Solving

Teamwork

Fast Learning

Innovator

Networking

Python	●	●	●	●	●
GNU/Linux	●	●	●	●	●
Git	●	●	●	●	●
Cisco	●	●	●	●	●
Kubernetes	●	●	●	●	●
BASH	●	●	●	●	●
C/C++	●	●	●	●	●
JavaScript	●	●	●	●	●

ACHIEVEMENTS



BME-Pannon NetSkills Challenge
2018 | Third place



PenDroid: Android development team competition
2016 | Second place

LANGUAGES

Hungarian: Native

English: Intermediate / B2

EXPERIENCE

Mito Digital

DevOps Engineer

2021 Sep - PRESENT

- Administration of 200+ virtual machines using automation tools like Ansible
- Worked on general in-house IT Security improvements

NETvisor Zrt.

Developer

2018, 2019 Summer

- Hands-on experience with LoRa, Sigfox and WiFi based IoT devices
- Design and development of in-house, integrated parking slot reservation system
- Research in monitoring/anomaly detection project based on network telemetry

Kollégiumi Számítástechnikai Kör (SIG for Computer Sciences)

Network- and Systems Administrator

2017 - PRESENT

- Lead Network Administrator responsible for dorm. core network (1200+ endpoints)
- NETeam group leader between Jan 2018 and Sept 2019
- Administrator of multiple Linux systems
- Experience with network services, enterprise hardware and CI/CD solutions

EDUCATION

Budapest University of Technology and Economics

Computer Engineering, M.Sc.

Sep 2016 - Jan 2022

- Specialized in the field of Internet Architecture and Services
- Master's thesis involving IoT, federated Kubernetes, microservices and edge-computing
- Bachelor's thesis about Network Telemetry and related technologies
- Completed Cisco CCNA R&S Course (No certification yet)

PROJECTS

PyOpenVidu

marcsello/pyopenvidu PyPI/pyopenvidu

Mar 2020 - PRESENT

- Python implementation for the OpenVidu WebRTC server API
- Flask integration, Sphinx, pytest and TravisCI

HomeLab

Sep 2019 - PRESENT

- Libvirt VMs and Kubernetes cluster for hosting other personal projects
- Monitoring setup using Telegraf, InfluxDB and Grafana