



FERENC PÁLOS

Budapest, Hungary | Computer Engineering Student & IT Intern

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PROFESSIONAL EXPERIENCE

IT Intern

January 2025 – Present

Movasol Energy Zrt. | Budapest

- **Infrastructure and server maintenance:** Administration of cloud services, maintenance of corporate servers and delivery of technical infrastructure improvements.
- **Domain operations:** Management of DNS configurations, domain routing and general web infrastructure.
- **Web development:** Building and maintaining internal web tools that support the scaling of operations.
- **Technical coordination:** Working together with technical management during system rollouts.

Member and Mentor, Dormitory Computer Science Club

February 2025 – Present

Budapest University of Technology and Economics (BME)

- **Community leadership:** Mentoring junior students in IT and software development topics.
- **Infrastructure management:** Administration and maintenance of shared digital version control systems.

EDUCATION

BSc in Computer Engineering

September 2023 – Present

Budapest University of Technology and Economics (BME)

PROJECTS AND PRACTICAL EXPERIENCE

Tor Security Research and Website Fingerprinting

February 2026 – June 2026

Link: github.com/palosferi/onlab

- **Vulnerability analysis:** Conducted university laboratory research applying machine learning and traffic analysis methodologies to identify security weaknesses within the Tor network.
- **Data publication:** Generated analytical charts and published the final metrics dataset in an open GitHub repository.

Self-hosted Server Operation and System Administration

Personal project

- **Architecture:** Operating a headless Linux Mint environment on a home server, integrated with rclone backup pipelines.
- **Containerisation:** Deployment and maintenance of Docker-based media and automation services.

SKILLS

Programming	C++, C#, C, Python, Java
Web	HTML, CSS, JavaScript
Infrastructure & Cloud	AWS, Linux (Fedora, Mint), Docker, Kubernetes, Cisco
Security & Networking	Cybersecurity, Wireshark, Network security risk management, DNS
Tools & Methodologies	Git, Machine Learning, Deep Learning

AWARDS AND RECOGNITION

- Special Prize – OTP IT Hackathon
- January 2026
- Project development:** As part of a three-person team, designed "ReSec", a cybersecurity-focused solution for secure hardware recycling.
 - Professional presentation:** Delivered a 10-minute presentation and led the Q&A session in front of a jury of IT professionals, standing out among 15 finalist teams.

CERTIFICATIONS

- CCNA: Introduction to Networks**
Cisco Networking Academy | May 2026
- AWS Academy Cloud Developing**
Amazon Web Services | March 2026
- AWS Academy Cloud Foundations**
Amazon Web Services | October 2025

LANGUAGES

- Hungarian:** Native
- English:** C1 level (Euroexam, 2022)
- French:** B2 level (in progress)

HOBBIES AND INTERESTS

- Endurance sports:** Ultra-distance hiking and trail running (Kinizsi 100, Mátrabérc 55).
- Basketball:** Competitive basketball in a county-level adult league.
- Scuba diving:** Certified scuba diver.