



# Ferenc Schulcz

nuclear  
cybersecurity  
specialist

## ABOUT ME

I am a cybersecurity specialist, cat owner and hiking enthusiast, with a strong interest in science and nerd stuff. And transportation.

In case I am not wandering around, I spend my free time leading KSZK Alumni, improving the servers I manage, taking photos or building something with my friends in Minecraft.

## LANGUAGES

English: C1, professional  
German: B2, intermediate  
Hungarian: native

## CONTACT

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## EXPERIENCE

**Nuclear cybersecurity specialist**  
Ukatemi Technologies  
2019 - present

- Design of defensive measures for various OT systems in nuclear facilities
- Validation and improvement of the risk management process in a nuclear power plant
- Research & development projects mostly in OT systems (attack scenario generation in nuclear setting, embedded device fuzzing, net surveying) authored 2 published papers in IEEE journals
- Penetration testing (web, infrastructure, single server)
- Development of an industrial IDS, a malware analysis environment, product API and more

**Subject matter expert**  
International Atomic Energy Agency  
2023 - present (occasional)

- Developing cyber attacks and training material on a nuclear-grade physical protection system
- Development of a SOC reference implementation for nuclear facilities
- Conducting trainings with good feedback

## EDUCATION

**Computer engineering, MSc**  
Budapest University of Technology and Economics | 2022 (honours degree)

**Nuclear power plant operational engineering, postgraduate**  
University of Pécs | 2023

## SKILLS

- Industrial cybersecurity
- Linux ecosystem
- Containerization and Docker
- Network management & security
- Programming in Python, Bash, JS, C/C++ and more
  
- Fast learning
- Complex problem solving
- Precision
- Innovation and creativity
- Assertive communication
- Ability to give and receive feedback
- Professional communication with clients