ŠIMON BERKA

Cloud Engineering & IT Security

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% blog.berkasimon.com   in https://www.linkedin.com/in/berkas1   ⌨ https://github.com/berkas1

EXPERIENCE / INTERNSHIPS

Cloud Engineer
Inuits

📅 Oct 2023 – present   ⚲ Remote

- Managing multiple Nomad-based container platforms
- hardware nodes and VM provisioning
- Linux system administration
- Terraform, Vault, Consul, Ansible, Puppet, Gitlab
- Cortex/Prometheus/Grafana stack, Redmine

Cloud Engineer
CESNET, z.s.p.o/MUNI

📅 Mar 2021 – Oct 2023   ⚲ Remote

- OpenStack & Kubernetes private cloud (MetaCentrum Cloud) administration & tools development (300+ hypervisors) & cloud security
- hardware provisioning
- Linux system administration, network debugging
- incident management
- technical writing

IT Specialist, Volunteer
Industra LABS

📅 Jan 2018 – Feb 2021   ⚲ Brno

- IT infrastructure management (Azure, virtual machines, Ansible)
- CCTV system
- development of custom access control system, in-house networking
- building shared workshop space equipped with machines like lasers, 3D printers, lathes and other tools
- industrial CO_2 laser maintenance and user training

Vice President of PR/Education
Brněnští Toastmástři

📅 Jun 2014 – Jun 2016   ⚲ Brno

- promoting club itself and its special meetings/workshops. This includes creating and maintaining Drupal based website, communication with media partners and writing articles for magazines/newspapers
- chairman/chief judge at public speaking contests at Area and Division levels

AREAS OF INTEREST

IT security   Cloud Engineering   Automation   Infrastructures   IoT   Self-hosting   API design

EDUCATION

IT Security
Faculty of Informatics, MUNI

📅 2022   ⚲ Brno, CZ

- master's degree
- thesis: System for monitoring selected security-related aspects of online services, `https://is.muni.cz/th/pzwxr/`

Computer Systems and Data Processing
Faculty of Informatics, MUNI

📅 2019   ⚲ Brno, CZ

- bachelor's degree
- thesis: Low Power Networks for IoT, `https://is.muni.cz/th/u5xgo/`

TECHNOLOGIES

- Linux (Debian, Almalinux)
- Docker, Nomad, Kubernetes, LXC
- Ansible, Terraform, Puppet
- Git, GitLab
- OpenStack
- Python, PHP, C, Bash
- Arduino, ESP32, Raspberry Pi

PROJECTS

devopsadvocate.com

📅 2023

securitytxt.cz

📅 2023

OpenAlt – conference co-organiser

📅 2016-2018, 2022   ⚲ Brno, CZ

Drupal Meetup – event organizer, editor

📅 2010-2015   ⚲ Brno, CZ

COURSES / CERTIFICATIONS

CCNA 1-4, CCNP

- Cisco Networking Academy, course taken at FI MUNI (2019-2020)

Toastmasters International certifications

- Advanced Leader Bronze (2015)
- Competent Communicator (2015)

FCE

- 2013