

Benjamin Akhras

📍 Badgasse 1/4 – 3420, Kritzensdorf – Austria

📞 +1 646 546-3719 • ✉ benjamin@akhras.at • 🌐 akhras.at • 🌐 b3n4kh

EDUCATION AND TRAINING

BSc Information and Communication Systems and Services

University of Applied Sciences Technikum Wien

2013–2017

Electronic data processing

HTL Spengergasse

2006–2012

WORK EXPERIENCE

Research Engineer

AIT - Austrian Institute of Technology

Since 2021

<https://ait.ac.at>

- Developed TaranisNG, an OSINT gathering and analysis tool, as lead developer using Python and VueJS for the BMI and Austrian CERT. Implemented machine learning techniques to improve the quality of incident reports generated by the tool.
- Created cybersecurity trainings and a cyber range to provide hands-on learning experiences for SOC Teams and IT Management. cyberrange.at
- Designed and implemented a hybrid cloud infrastructure using OpenStack, Terraform, and Ansible, improving the scalability and performance of the infrastructure. Led the migration from an on-site only infrastructure to the hybrid cloud environment, which improved the reliability and scalability of the infrastructure.
- Some of my current work can be found on GitHub: github.com/b3n4kh

System Programmer

BMLV - Federal Ministry of Defence

Dec 2016–Jan 2021

<https://www.bundesheer.at>

- As a site reliability engineer, contributed to the development of core infrastructure. Led the planning and implementation of system and network architecture for classified military networks, including the renewal of the logging and monitoring infrastructure.
- Switched from a legacy ELK stack with local monitoring to a TIG (InfluxDB3 + Grafana) with distributed Icinga monitoring for a decentralized infrastructure.
- Network and system architecture for various classified systems, from planing to implementation.
- Implementation of system software in Python and Go.
- Reviewing source code, planning and holding trainings (CI/CD, Git, Agile Development).

DevOps Engineer

Emakina CEE

Nov 2014–Dec 2016

<https://www.emakina.com/>

- DevOps engineering for the server-environment for shop.billa.at, merkurmarkt.at and adeg.at for the REWE Group.

- Installation, setup and maintenance of a heterogeneous server environment on a VMWare cluster and AWS
- Introduction of various DevOps tools and techniques, as CI with Teamcity and Gitlab CI, deployments with Docker.
- Trainings in DevOps techniques, decreasing time to go live

Linux Server Administration

BMLVS - Federal Ministry of Defence

Jun 2013–Sept 2014

<https://www.bundesheer.at>

- Installation, setup and maintenance of the core mailing infrastructure based on Postfix, OpenLDAP, and IBM Domino server.
- Development in Python various Backend services integrating and improving groupware

Java Developer

INNOC

Jul–Nov 2012

Java Software Development for the Roboat project.

IT OPERATIONS

Unix: RedHat, Debian, Ubuntu, FreeBSD

Cloud: OpenStack, Certified AWS Solution Architect

Software: Ansible, Terraform, Puppet, Nginx, Postfix, OpenLDAP, Git, Docker

SOFTWARE DEVELOPMENT

Python: Backend Development AIT & BMLV + DevOps Engineering BMLV & Emakina

Javascript: Fullstack Development AIT & BMLV (VueJS)

Golang: DevOps Engineering BMLV & Emakina

Puppet: DevOps Engineering BMLV & Emakina

Ansible: DevOps Engineering AIT

Ruby: DevOps Engineering Emakina

Java: Roboat Project & CI/CD @BMLV

C, C++, PHP: Basic knowledge

LANGUAGES

German: native

English: fluent