

Lennart Krauch



📧 Lennart01 | ✉ Lennart@krauch.net | 🌐 lennart-krauch | 🎓 B.Sc.

DevOps Engineer & Cloud Infrastructure Specialist | Looking for new opportunities

Education

 **Hochschule Karlsruhe – University of Applied Sciences**
BACHELORS OF SCIENCE IN COMPUTER SCIENCE

DE
2020 - 2025

- Thesis: Measuring and Optimizing CO2 Emissions of a Kubernetes-based Cloud Application

Professional Experience

 **inovex GmbH**
BACHELOR THESIS

Aug. 2024 - Present

- Measuring and Optimizing CO2 Emissions of a Kubernetes-based Cloud Application

 **inovex GmbH**
WORKING STUDENT IT ENGINEERING & OPERATIONS

Mar. 2023 - Jul. 2024

- Development of Kubernetes infrastructure for scrumlr.io, including cluster deployment automation and Git versioning with FluxCD
- Setup of high-availability Postgres clusters and backup infrastructure
- Implementation of monitoring components including Grafana dashboards and alerts
- Development of infrastructure for AI model serving using BentoML for text and image generation models
- Mentoring and supporting development teams in infrastructure and DevOps practices

Kubernetes Terraform FluxCD GitLab CI/CD Prometheus Grafana BentoML OpenStack

 **inovex GmbH**
IT ENGINEERING & OPERATIONS INTERN

Sept. 2022 - Feb. 2023

- Supported the development of ParrotApp, a generative AI service platform
- Containerized solutions using GitLab pipelines with Kaniko
- Implemented monitoring and alerting systems
- Assisted in GPU infrastructure setup for AI model deployment

Python Docker GitLab Prometheus Grafana BentoML

Certificates

2023 **LFS458: Kubernetes Administration**, The Linux Foundation
2023 **Scrum Foundations Certificate**, Scrum.org

Skills

Languages German (Native) | English (Fluent)
Programming Python | Bash | Go | SQL
Languages
Cloud & Infrastructure Kubernetes | OpenStack | AWS | GCP | Azure
DevOps Tools Terraform | GitLab CI/CD | FluxCD | GitHub Actions | Helm | Ansible
Monitoring & Databases Prometheus | Grafana | PostgreSQL | Redis
Development Tools Git | VSCode | Vim | BentoML
Methodologies Scrum | Kanban | Agile Development