

Alexej Disterhoft

// **Kubernetes Platform Engineer // DevOps // SRE**

📍 Mainz, Germany

📅 May 12, 1989 in Leonidovka, Kazakhstan

🇩🇪 German citizenship

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// Work Experience

Kubernetes Platform Engineer

since 07/2022

DHL IT Services GmbH, Darmstadt

- **Tech Lead** of the Datalake Kubernetes team from 01/2024.
- Operation and development of the on-premises Datalake Kubernetes platform.
- Migration of manual processes into automated workflows and extensive implementation of GitOps principles using *GitHub Actions*, *ArgoCD*, *Ansible*, *Terraform* etc. to minimize manual interventions in the platform.
- Development of various internal tools, including Kubernetes controllers & CLI tools in *Go* & *Python* and GitHub Actions in *TypeScript*.
- Development of internal GitHub Actions runner infrastructure and the runner image.
- Support of various teams in using the Kubernetes platform and CI/CD pipelines. Presentation of new technologies and best practices.
- Participation in various open-source projects.

Cloud & Container Platform Engineer

03/2021 – 06/2022

R+V Allgemeine Versicherung AG, Wiesbaden

- Operation and improvements of the on-premises cloud via *Rancher* & Kubernetes.
- Automation of various workflows using *GitOps*, *Ansible* & *AWX*, *Python* & *Go*.
- Design, implementation and operation of an MVP for aggregating used resources in Kubernetes clusters for internal cost and performance accounting.
- Exploratory use of Public Cloud Services, primarily Microsoft Azure.
- Work according to SAFe and Scrum methods.

IT Security Consultant

04/2019 – 01/2021

Vindler GmbH, Braunfels

- Planning, execution, and documentation of penetration and application tests.
- Implementation and operation of secure IT infrastructure using containerization and automation tools.
 - System and security monitoring (SIEM) based on ElasticSearch.
 - Open-source video conferencing solutions (Jitsi, BigBlueButton).
 - Various other web applications (Keycloak, Nextcloud, etc.).

Research Associate

10/2015 – 03/2019

Institute of Mathematics, Johannes Gutenberg University, Mainz

- Research in the multidisciplinary Collaborative Research Center TRR146 on numerical methods in the topic area “self-consistent field theory of polymers”.
- Development and implementation of numerical algorithms in *MatLab* & *Python*.
- Teaching activities as a tutor and organization of exercises & exams for various lectures in the Numerical Analysis Group.

// Languages

German

Native speaker

English

Fluent

// Skills

Cloud Native & DevOps

#kubernetes #containers
#gitops #argocd #github actions
#infrastructure as code #ansible
#terraform #prometheus
#grafana #elasticsearch
#networking #security #unix
#macos #gpu in k8s

Programming Languages

#go #python #typescript
#shell scripting

Cybersecurity

#siem #ethical hacking
#penetration testing

Methods

#kanban #scrum #safe

// Interests

#bouldering #running #cycling
#open source

// Social Media

🌐 nobbs.dev

🔗 nobbs.dev/go/github

📄 nobbs.dev/go/linkedin

✂ nobbs.dev/go/xing

Student Assistant 05/2012 – 09/2015
Institute for Mathematics & Computer Science, Johannes Gutenberg University, Mainz
04/2015 – 09/2015: Implementation of numerical methods in *MatLab* & *Python*.
08/2014 – 03/2015: Conducting a weekly tutorial with about 30 students and evaluation of student work.
05/2012 – 06/2014: Implementation of algorithms in the field of Linear Programming and SAT solvers in *C++*.

Civil Service with subsequent temporary employment 04/2009 – 03/2010
Pro Seniore Residenz, Flörsheim-Dalsheim

// Education

Mathematics, Master of Science Final Grade 1.2
Johannes Gutenberg University, Mainz 04/2013 – 09/2015

- Master's Thesis: "Numerical Treatment of Self-Consistent Field Theory Models using Reduced-Basis Methods".
- Focus on Numerical Analysis, Minor in Computer Science.

Mathematics, Bachelor of Science Final Grade 1.3
Johannes Gutenberg University, Mainz 04/2010 – 03/2013

General University Entrance Qualification Final Grade 1.9
Staatliches Aufbaugymnasium, Alzey 03/2009

// Certifications

Kubernetes and Cloud Native Security Associate (KCSA) 04/2024
Google Associate Cloud Engineer 02/2024
GitHub Actions 02/2024
Microsoft Azure Fundamentals (AZ-900) 02/2022
Certified Kubernetes Application Developer (CKAD) 11/2022
Kubernetes and Cloud Native Associate (KCNA) 11/2021
Certified Kubernetes Security Specialist (CKS) 11/2021
Certified Kubernetes Administrator (CKA) 07/2021

// Publications

A. Disterhoft, T. Raasch und F. Schmid. *Numerical reduction of self-consistent field models of macromolecular systems*. PAMM. 16, 915–916. [doi](#).

E. Althaus, M. Blumenstock, A. Disterhoft et al. *Algorithms for the Maximum Weight Connected k -Induced Subgraph Problem*. Combinatorial Optimization and Applications. 268–282. COCOA 2014. Springer International Publishing. [doi](#).

// Competitions

Finalist & Finisher 10/2016
Audi Smart Factory Hackathon
Audi AG, Ingolstadt

Participant 11/2014
ACM International Collegiate Programming Contest, Northwestern European Regional Contest
Linköping University, Sweden

Participant 11/2013
ACM International Collegiate Programming Contest, Northwestern European Regional Contest
Delft University of Technology, Netherlands