

# Leon Morten Richter

DEVOPS ENGINEER

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## Summary

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Experienced DevOps Engineer with proven experience in the naval industry. Proficient in software engineering, CI/CD solutions, agile methodologies, and infrastructure-as-code. Practical experience as part of the development team in automating the entire software development cycle. Always seeking opportunities to automate manual tasks, preferably based on an infrastructure-as-code mindset, using declarative tools like Ansible.

## Experience

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### ELAC Sonar GmbH

Kiel, Germany

DEVOPS ENGINEER

Since Oct. 2020

- Several years of experience in hydroacoustic systems for naval and commercial applications as a DevOps Engineer
- Advanced-level Python programming skills
- Worked across the entire Linux stack, including Kernel, networking, containerization, and applications
- Practical knowledge in managing highly available systems
- Experience in involvement with open-source software
- Engineered and maintained CI/CD pipelines
- Integration of containerization in an air-gapped environment
- Configuration of security measures within test and production environments
- Development and creation of custom concepts according to technical and security-related customer requirements
- Documentation (contributions to specification documents (architecture/design/acceptance), operation and maintenance manuals)

### Raytheon Anschütz GmbH

Kiel, Germany

STUDENT ASSISTANT IN QUALITY MANAGEMENT

Apr. 2019 - Sep. 2020

- Maintenance of existing automated testing tools
- Supporting project teams in automating functions and use cases in the context of different products
- Working with and/or developing tools in the context of test automation and test management
- Developing tools and solutions to automate workflows and integrate interfaces of various process tools using Python

### Smartphoniker GmbH

Kiel, Germany

STUDENT ASSISTANT

Aug. 2017 - Jul. 2020

- Development of an online shop for smartphone repairs
- Design and development of an inventory management system
- Supporting management in all IT-related matters
- Integration and linking of interfaces of different tools and databases

## Education

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### Christian-Albrechts-Universität zu Kiel

Kiel, Germany

B.Sc. BUSINESS INFORMATICS

2016 - 2020

- Bachelor's thesis on "Gamification of the Command Line" (Grade: 1.7)

## Participation in Open Source Projects

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### Python Library for Decoding/Encoding AIS Messages (AIVDM/AIVDO)

- The module contains functions for decoding and parsing serial messages of the Automatic Identification System (AIS)
- The project is a grateful recipient of the free JetBrains Open Source Sponsorship
- High popularity with thousands of monthly downloads
- The library has been used by Airbus Defence and Space, among others

### Monitoring System for Monitoring MikroTik Network Devices

- Based on Grafana and Prometheus
- Further development of an existing exporter for Prometheus
- Utilization of Docker and docker-compose