

Leon Morten Richter

DEVOPS ENGINEER

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Summary

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

ELAC Sonar GmbH

Kiel, Germany

DEVOPS ENGINEER

Since Oct. 2020

- Initiated and Cultivated a CI/CD Mindset
- Automated Code Generation from UML Models
- Conan Package Manager Integration
- Mission-Critical Software Administration (including Gitlab and JFrog Artifactory), ensuring high availability and optimal performance
- Oversaw development systems in a VMware-based virtualized environment, utilizing Infrastructure as Code (Ansible)
- Engineered and maintained CI/CD pipelines
- Software Development in Python
- Conceptualized and designed the network infrastructure for an integrated Sonar Suite in a major international project
- Managed a fleet of over 100 on-premise Linux servers in a secure, air-gapped environment, leveraging Ansible for automation
- Created a Dependabot-like tool for automated handling of Conan dependencies, featuring extended validation
- Led the successful integration of containerization in an air-gapped environment

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

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

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