

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

DEVOPS ENGINEER

Kiel, Germany

Since Oct. 2020

- Establishment of a CI/CD mindset within software engineering
- Development of a code generator for generating source code from UML models in the Python programming language
- Introduction and integration of the package manager Conan as part of automated dependency management for the C++ language
- Administration of mission-critical software solutions (including Gitlab and JFrog Artifactory)
- Management and provisioning of development systems in a virtualized environment (VMWare) using Infrastructure as Code (Ansible)
- Building CI/CD pipelines to improve the software deployment process
- Software development in the Python programming language
- Designing the network concept for an integrated Sonar Suite for an international major project
- Modeling in UML (Sparx Enterprise Architect)

Raytheon Anschutz GmbH

STUDENT ASSISTANT IN QUALITY MANAGEMENT

Kiel, Germany

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

STUDENT ASSISTANT

Kiel, Germany

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

B.Sc. BUSINESS INFORMATICS

Kiel, Germany

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