

# Leon Morten Richter

BACKEND DEVELOPER · AUTOMATION ENGINEER

Sophienhof 17, 24256 Fargau-Pratjau

☎ (+49) 15224581631 | ✉ leonrichter@fastmail.com | 🌐 www.leonmortenrichter.de | 📱 M0r13n

## Summary

Currently I am working at Raytheon Anschütz GmbH. There, I support the QM team by writing system tests for embedded naval navigation systems. I have made a significant contribution to test automation in the products Radar NX, WECDIS NX and SYNOPSIS. In my spare time I support the local startup Smartphoniker. Here I solved my first small programming tasks. Over the time we developed a lot of different tools, websites and services. Due to the fact that I am the only developer there, I could gain experience in the whole technology stack.

## Work Experience

### Raytheon Anschütz GmbH

Kiel, Germany

WORKING STUDENT: TEST AUTOMATION

Jun. 2019 - Sep. 2020

- Further development and maintenance of an existing test framework based on Autohotkey for the automatic execution of system tests.
- Development of an internal web application for the decentralized administration of test systems. This included a web application together with Raspberry PI based consoles.
- A Python-based application for the automated dashboard creation for JIRA.
- Kleinere Skripte auf Basis von Python oder Autohotkey.

### Smartphoniker GmbH.

Kiel, Germany

FULL STACK DEVELOPER

since Jun. 2017

- I have built, managed and deployed a strongly micro service-oriented company infrastructure.
- Built fully automated CI/CD pipelines based on GitHub Actions, TravisCI, Scalingo and Docker.
- Implemented a whole merchandise management system used by over 20 employees. Mainly based on Flask, Postgres, Redis, Celery.
- I Built and deployed an online shop. Based on Flask and Postgres.
- Maintained an existing Wordpress website.
- Built a custom Kiosk to display ads and information as part of a digital signage campaign. This includes the creation of custom images for Raspberry PI's
- I integrated existing services (Vigil, Raidr) into our infrastructure and published actively maintained libraries for them on PyPi.
- I took care of the hosting and administration of our servers
- responsible for the constant availability, reliability, correctness and security of our systems which have led to over 100,000 successful repairs
- Many more things like bots for Slack, monitoring systems or status pages

## Education

### CAU(Christian-Albrechts-University)

Kiel, Germany

B.S. IN COMPUTER SCIENCE AND ECONOMICS

Aug. 2016 - Sep. 2020

## Extracurricular Activity

### Stanford's CS116 - From Nand to Tetris I

STUDENT

Oct. 2019 - Dec. 2019

- Building a Modern Computer From First Principles
- Boolean logic and arithmetic. Sequential logic.
- Machine language.
- Computer architecture.
- Assembler and program control.
- High-Level language and Compilers.

### Harvard - CS50

STUDENT

Sep. 2019 - Oct. 2019

- Introduction to Computer Science.
- Solved different tasks using C, Python and Javascript.
- Deepened my knowledge about basic algorithms and math.