


Fabian Weik

Software Engineer

cloudsftp 

<https://cloudsftp.de> 

fabian.weik@protonmail.com 


Education

2020 – 2023
April September

M.Sc. Informatik



University of Stuttgart

 Stuttgart, Germany

- During this time I had a big interest in *Cloud Computing*
- I was also introduced to *Non-linear Dynamics* (a.k.a. *Chaos Theory*)
- Master Thesis:

*Investigation of Multistability-affected
Period-incrementing and Period-adding Structures
in a Model of a Power Converter with Symmetry*

(grade: 1.0)


- Final grade: **1.3**

2017 – 2021
October April

B.Sc. Informatik



University of Stuttgart

 Stuttgart, Germany

- During this time I had a big interest in *Quantum Computing*
- Bachelor Thesis:

Quantum Computing for Smart Energy Optimizations

(grade: 1.3)

- Final grade: **1.8**

2009 – 2017
July

Abitur



Max-Planck-Gymnasium

 Schorndorf, Germany

- Final grade: **2.4**

Work Experience

2024 – Present
January

Backend-Developer

mittwald.

Mittwald CM Service GmbH

 Espelkamp, Germany

- Go, Microservices, Event-Sourcing
- gRPC, Kubernetes, Temporal

2018 – 2022
November November

Werkstudent

softwareinmotion

softwareinmotion GmbH

📍 Schorndorf, Germany

- Extension and adjustment of the C unit test framework Unity (Ruby, C, Python, Git)
 - Automatic generation of mocks/stubs
 - Integration in a build environment and rollout in embedded projects
- Development of a tool to start and read runtime measurements on embedded systems (C, CAN, ISO/TP, Qt)
- Creation and configuration of Polyspace projects to execute code analysis including a Polyspace project generator to automate this process
- Extension and runtime optimization of a proprietary architecture analysis tool for C based embedded software (C#, Enterprise Architect API)
 - Automatic layout of component interface diagrams
 - Performance optimization of the architecture synchronization
- Development of a software for the configuration of position sensors (Python, CAN, CANopen)
- Migration of an existing Jenkins server including its configured projects to a new server environment (Jenkins, Bash)

Side Projects

2023 – Present
February

Sunangel Project — Founder



Weather Apps and other Sources of information give bad results for the time of sunset and sunrise. Especially in locations with many hills.

This project aims to provide better solutions.

- Backend:
 - Messaging-based with NATS as the middleware
 - Services written in Rust and Go
- Frontend:
 - Written in Typescript with the Vue framework

2022 – Present
September

Badradio Android Application — Maintainer



Listen to "Badradio 24/7 Phonk" on your phone

- Complete rewrite of application in Kotlin

2020 – Present
November

reSnap — Author, Maintainer



Take Screenshots of your reMarkable tablet over SSH

- Written in bash

Languages

German Native

English B2 *based on Abitur alone*

Technical Skills

Programming Languages

- Go
- Python
- GNU Make
- Rust
- Kotlin
- Typescript
- C
- Bash

Front-End

- Vue
- Angular (limited)

Environments

- Linux
- Kubernetes
- Docker

MISC Technologies

- gRPC
- Temporal
- Event Sourcing
- NATS

Typesetting

- LaTeX
- Typst (e.g this CV)

(Last updated: January 2024)