



# Fabian Weik

*Software Engineer*

cloudsftp 

<https://cloudsftp.de> 

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## 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*
- 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:

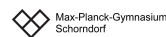
*Quantum Computing for Smart Energy Optimizations*

(grade: 1.3)

- Final grade: **1.8**

2009 – 2017  
July

**Abitur**



Max-Planck-Gymnasium

 Schorndorf, Germany

- Final grade: **2.4**

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## Work Experience

2024  
January

– Present

**Backend-Developer**

**mittwald.**

Mittwald CM Service GmbH

📍 Espelkamp, Germany

Webhosting company with focus on agencies

- Development on microservices in Go
- Development on internal libraries in Go to be used with Temporal
- Utilized technologies:
  - Go
  - Typescript/Javascript
  - Kubernetes
  - gRPC
  - Temporal
- Lecturer of a Vim Workshop

2018  
November

– 2022  
November

**Werkstudent**

softwareinmotion

softwareinmotion GmbH

📍 Schorndorf, Germany

Embedded systems company (automotive)

- 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)

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## Languages

German Native

English B2 *based on Abitur alone*

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## Technical Skills

### Programming Languages

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

### Front-End

- Vue
- Angular (limited)

### Environments

- Linux
- Kubernetes
- Docker

### MISC Technologies

- gRPC
- Temporal
- Android
- Event Sourcing
- NATS

### Typesetting

- LaTeX
- Typst (e.g this CV)

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## Side Projects

2024  
May

- Present

**RAnT** — Author



Library for simulating nonlinear systems written in Rust

2023  
February

- Present

**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 **Badradio Android Application** — Maintainer   

Listen to “Badradio 24/7 Phonk” on your phone  
- Complete rewrite of application in Kotlin

2020 – Present **reSnap** — Author, Maintainer 

Take Screenshots of your reMarkable tablet over SSH  
- Written in bash

*(Last updated: June 2024)*