



# NOAH HÜSSER

Nationality: Swiss  
Date of Birth: 12th January 1991

## CONTACT

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## ACTIVITIES

Programming, Electronics,  
Server Admin, Ju Jitsu,  
Running

## PROFESSIONAL SKILLS

Software Development  
SRE  
Project Management  
Embedded Systems

## LANGUAGES

German *mother tongue*  
English *fluent*  
French *experienced*

## ENGINEERING TOOLS

Linux/Unix Administration  
Docker, K8S  
GL CI, GH Actions  
Jupyter, Scipy, Numpy, Pandas

## PROGRAMMING

*frequently used*  
Rust, Dart, Python, C, C#,  
JavaScript, SQL

*used in the past*  
VHDL, Tcl, Java, PHP, C++,  
Bash, VB.NET, LaTeX

## MISCELLANEOUS

Git

## REFERENCES

on request

Last updated 2022-07.

## PRACTICAL EXPERIENCE

### FREELANCE

Contractor, Rust Backend Engineer, December 2021 to Present in  
Maintainer of an internal microservice. Focus on developer experience and fast & easy integration testing as well as CI performance.

### TECHNOKRAT

Co-Founder, Software Engineer, May 2017 to October 2021 in Schlieren  
Founded a consulting company for electrical engineering with 3 co-founders. Realizing software from embedded devices to cloud services and webapplications.

### SIGLIS

Co-Founder, Software Engineer, August 2020 to August 2021 in Schlieren  
Founded a smart home company which develops a smart switch (zigfred.ch). Developing and manufacturing a product from start to finish. Responsibilities included mechanical design, mobile app and automated factory testing and provisioning.

### ABB MICAFIL

Part Time Software Engineer, Jul 2016 to March 2018 in Altstetten  
Development of a CAD tool to dimension bushings in VB.NET. Development of a system to monitor, analyze and control the production line of a bushing.

### NEXUS TELECOM

Low Level C Programmer, Mai 2014 to Mai 2015 in Zürich  
Porting the core C library from 32 to 64 bit.

## VOLUNTEER EXPERIENCE

### JU JITSU CLUB AARAU

Treasurer, Apr 2019 to present in Aarau

### BASTLI, STUDENTS LAB, ETH ZÜRICH

President, Feb 2016 to Oct 2016 in Zürich  
Treasurer, Feb 2015 to Feb 2016 in Zürich

## EDUCATION

### FHNW BRUGG-WINDISCH

BsC in EE and IT, Feb 2016 to Jan 2017 in Windisch

### ETH ZÜRICH

BsC in EE and IT, Sep 2013 to Feb 2016 in Zürich

## PUBLICATIONS AND OPEN SOURCE

### PROBE-RS EMBEDDED TOOLCHAIN

Project Lead, Mar 2019 to present in probe.rs  
The toolkit allows to control embedded ARM and RISC-V MCUs to be controlled from a host. The project offers:

- a library to control targets from code
- CLI tools to flash and log data from targets
- A VSCode debugger plugin

### FPGA BASED SPECTRUM ANALYZER

Bachelor Thesis at FHNW, Mar 2017 to Aug 2017 in Windisch  
The tasks included, but were not limited to, the implementation of:

- CIC/FIR-filter-chains for data decimation
- A server to transmit data via WebSockets on an embedded Linux
- A GUI to retrieve data over WebSockets, transform and display it (JavaScript)