



NOAH HÜSSER

Nationality: Swiss

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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 2023-01.

PRACTICAL EXPERIENCE

CRYPTOCURRENCY EXCHANGE

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

TECHNOKRAT

Co-Founder, Software Engineer, May 2017 to October 2021 in Zürich
Co-founded a consulting company for electrical engineering. Realizing software from embedded devices to cloud services and webapplications.

SIGLIS

Co-Founder, Software Engineer, August 2020 to August 2021 in Zürich
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 Zürich
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 ZURICH

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)