

# DAVID HUSER

[davidhus@pm.me](mailto:davidhus@pm.me) • +41 79 740 63 41 • [davidhuser.ch](http://davidhuser.ch) • Lucerne, Switzerland

Health information systems engineer and DHIS 2 expert with experience in software design, interoperability, ICT4D, open source and cloud computing in low- and middle-income countries.

## EXPERIENCE

---

### DHIS2 Solutions Engineer, BAO Systems

May 2016 – Jul 2019

System specialist of DHIS2

- DHIS2 technology lead for high-volume event-based DHIS2
- Develop, implement and maintain DHIS2 frameworks for health service quality assurance for multi-national NGOs
- Conceptualize, develop and implement information system interoperability software, data extractions of legacy data systems and metadata quality monitoring webservices
- Software designs for ODK-based platform integrations
- Won *Commonwealth Digital Health Award* 2018 with tool for automated verbal autopsy data integration

### Project Associate, Swiss Tropical and Public Health Institute

Jul 2015 – Oct 2017

Full Stack DHIS2 developer and topic expert in the Swiss consulting agency for international health

- DHIS 2 prototyping, integration and internal topic expert
- Linux Server administration & developments of basic cloud provision workflow
- Develop, manage and integrate health-related information systems and tools
- Consulting on national IT systems integrations with DHIS2 related to mortality data and verbal autopsy

## EDUCATION

---

### MSc Information Sciences, Vrije Universiteit, Amsterdam, The Netherlands

2019 – 2020

- Service oriented design
- Software architecture
- Knowledge organization
- ICT4D
- The social web and data mining
- Master thesis on humanitarian health information systems

### BSc Computer Science, University of Applied Sciences Northwestern Switzerland

2011 – 2015

- Software engineering and project management
- Computer science basics
- Mathematics
- Design, usability & UX
- Social network analysis

## PROJECTS

---

### DHIS2 Pocket Knife

Open-source developer helper tools for system administration of DHIS2. Widely used.

### dhis2.py

Open-source small and production-level Python library to access DHIS2 API for data migration tasks.

## SKILLS

---

- DHIS 2: Expert
- Python: Advanced
- SQL: Advanced
- HTTP/REST: Advanced
- Software architecture and documentation: Advanced
- Linux System Administration (Debian, CentOS): Intermediate
- Javascript: Intermediate