

# DAVID HUSER

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Health information systems engineer and DHIS2 expert with experience in software design, interoperability, ICT for development in low- and middle-income countries, open source and cloud computing. IT professional with abilities to mediate between users, technology experts and business/management.

## EXPERIENCE

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### DHIS2 Solutions Engineer, BAO Systems

May 2016 – Jul 2019

Independent end-to-end system specialist of DHIS2

- Technology lead for high-volume event-based implementations of DHIS2
- Design, development and implementation of health information system interoperability software (DHIS2 apps, ODK-based platforms, legacy systems) and quality assurance monitoring services
- 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

Software/DHIS2 developer in the Swiss Centre for International Health

- Develop, manage and integrate health information systems and tools
- Consulting on national CRVS IT systems integrations with DHIS2
- Linux Server administration & development of basic cloud provision workflow for DHIS2 instances

## SKILLS

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- **Data engineering:** Python; cloud computing; PostgreSQL; APIs, REST; system administration; Javascript/React
- **Product development:** project scoping and management; requirements engineering; software design and architecture documentation; wireframing
- **Soft skills:** mediating between tech experts and management; guiding workshops and trainings; customer support; productive remote work; international travel
- **Languages:** English (working proficiency); German (native); Italian & French (basic)

## EDUCATION

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

2019 – 2020

Courses: service oriented design; software architecture; knowledge organization; ICT4D; social web and data mining; master thesis on humanitarian health information systems

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

2011 – 2015

Courses: software engineering; project management; computer science foundations; networks; mathematics; design; usability and UX; social network analysis

## PROJECTS

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### dhis2-pocket-knife

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

### dhis2.py

Open-source production-level and light-weight Python library to access DHIS2 API for (meta-)data migration tasks.