

DAVID HUSER

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Health information systems engineer and DHIS2 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

Independent full stack system specialist of DHIS2

- Technology lead for high-volume event-based implementations of DHIS2
- Design, development and implementation of 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

DHIS2 developer and topic expert in the Swiss consulting agency 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

EDUCATION

MSc Information Sciences, Vrije Universiteit, Amsterdam, The Netherlands

2019 – 2020

- 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

- 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

- DHIS2: Expert
- Python: Advanced
- SQL: Advanced
- HTTP/REST: Advanced
- Software architecture and documentation: Advanced
- Linux System Administration (Debian, CentOS): Intermediate
- Javascript: Intermediate