

DAVID HUSER

davidhus@pm.me • davidhuser.ch • Lucerne, Switzerland

Health information systems engineer and DHIS2 expert with 5+ years experience in software design, data engineering, open source, international NGOs and ICT for development in low- and middle-income countries. Proven ability to scope and deliver projects; solve meaningful problems with software; mediate between users, technology experts and business/management; and work productively while remote.

EXPERIENCE

Senior Solutions Engineer, BAO Systems, Washington D.C.

Oct 2020 – present

Solutions Engineer, BAO Systems, Washington D.C.

May 2016 – Jul 2019

Independent end-to-end system specialist of DHIS2

- Technology lead for a high-volume event-based implementation of DHIS2, strengthened real-time analytics and surveillance stability
- Designed and developed DHIS2 apps, ODK-based data collection platform interoperability, legacy system migrations, and quality monitoring web services
- Delivered a high-level design of a mortality surveillance platform
- Troubleshoot issues in the nexus of DHIS2 and systems/hosting as part of customer support

Project Assistant, Swiss Tropical and Public Health Institute, Basel

Jul 2015 – Oct 2017

Software/DHIS2 developer in the Swiss Centre for International Health (assoc. University of Basel)

- Consulted on national civil registration and vital statistics IT systems integration with DHIS2 in South Asia
- Piloted DHIS2 in a project with the Ministry of Health in Egypt
- Developed basic cloud provision workflow for DHIS2 instances
- Conducted DHIS2 workshops within global health programs

SKILLS

Data engineering: Python programming; cloud computing; APIs & REST; SQL databases (PostgreSQL, SQLite); Linux 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; giving workshops and trainings; critical thinking; visual communication and technical writing

Languages: English (working proficiency); German (native); Italian & French (basic)

EDUCATION

MSc Information Sciences, Vrije Universiteit, Amsterdam, The Netherlands

2019–2020

BSc Computer Science, University of Applied Sciences Northwestern Switzerland

2011–2015

PROJECTS & PUBLICATIONS

Huser D., Bon A., Anifalaje A. (2021). Uncovering generative mechanisms of information use for project monitoring in humanitarian health management information systems. *The Electronic Journal of Information Systems in Developing Countries*. doi:10.1002/isd2.12184

[dhis2-pocket-knife](#): Command-line helper tools for system administration of DHIS2

[dhis2.py](#): Production-level and light-weight Python library for DHIS2 and data engineering.

[smartva-dhis2](#): Open source glue software for Verbal Autopsy integration. Won *Commonwealth Digital Health Award* 2018.