

# Shuko Musemangezhi

Global Health & International Development | Data Systems and MEL  
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A visionary global health and international development specialist with over a decade of experience driving large-scale, impactful change across sub-Saharan Africa. My expertise lies in strategic leadership, research, and data systems strengthening, as evidenced by my success in managing complex, multimillion-dollar projects for organisations such as the **Gates Foundation, WHO, WorldPop, GIZ**, across health, WSH, Social protection, and Agriculture. I excel at translating complex health and global challenges into actionable strategies, fostering collaborative partnerships, and leading high-performing teams to enhance last-mile impact. Currently, as a PhD candidate, my focus on health informatics further augments my capacity to leverage innovative approaches for sustainable development.

## Skills

- **Strategic Leadership & Program Management:** Project Management & Strategic Leadership; Monitoring & Evaluation; Team Management & Mentorship
- **Research:** Research Design & Implementation; Quantitative & Qualitative Data Analysis (STATA, SPSS, Dedoose)
- **Domain Expertise:** Health Promotion & Behavior Change Communication; Health and Data Systems Strengthening; Positive Youth Development; Data Quality Assessment (DQA)

## Education

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| <b>University of KwaZulu-Natal</b><br>Doctor of Philosophy Public Health Informatics                                                                                       | Jul 2025 – Present  |
| • Research focus: Health data quality, DHIS2 performance, HMIS interoperability, redefining and implementation science in Zambia's decentralised health system.            |                     |
| <b>University of Texas, US</b><br>Post Graduate Program in Data Science & Business Analytics                                                                               | Oct 2023 - Present  |
| <b>University of Global Health Equity, Rwanda</b><br>MSc Global Health Delivery – Health Management (Best graduating student; research focus: HMIS data quality in Rwanda) | Aug 2021 – Aug 2022 |
| <b>University of Lusaka, Zambia</b><br>BSc Public Health (Upper Merit)                                                                                                     | Jun 2013 – Oct 2017 |

## Work Experience

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|-------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Dev-Afrique Development Advisors, Nigeria</b><br>Principal Advisor – Eastern and Southern Africa Business Unit | Jan 2026 - Present  |
| Associate Principal – Data Systems & MEL                                                                          | Apr 2025 – Dec 2025 |
| Senior Consultant                                                                                                 | May 2023 – Mar 2025 |
| Consultant                                                                                                        | Aug 2022 – Apr 2023 |

## Achievements/Tasks

- Leads [Dev-Afrique](#)’s East and Southern Africa business unit and [Dev-Partner’s](#) Global Data Systems and MEL Practice
- Leads the delivery of a multi-million-dollar Gates Foundation [WSH data systems strengthening program](#) across sub-Saharan Africa, enhancing utility and municipal non-sewered sanitation data systems for improved service delivery and performance management.
- Conducted a comprehensive [qualitative impact assessment](#) of WorldPop’s (University of Southampton) multi-sectoral, multi-disciplinary global interventions.
- Led an end-to-end landscape assessment of the health geospatial data ecosystem in [Nigeria](#) and [DRC](#) for the Gates Foundation, identifying key areas for improvement that led to a [multi-million-dollar investment](#).
- Led the delivery of the Gates Foundation’s in-country geospatial strategy in Nigeria and DRC, providing critical data, recommendations, and thought leadership to the Foundation's Geospatial Insights Team (GIST) to inform geospatial investments and enhance the last-mile impact of Polio, Immunization, and Malaria programs.
- Led the organization’s internal systems strengthening community of practice, which improved team knowledge-sharing and project management efficiency.

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| <b>University of Global Health Equity, Rwanda</b><br>Lecturer, Evidence-Based Global Health | Nov 2022 – Dec 2023 |
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## Achievements/Tasks

- Designed and delivered advanced research design and data analysis modules to MSc students, equipping them with critical analytical skills to drive improvements in [global health](#).
- Supervised student capstone projects on the use of artificial intelligence for hypertension management, data quality of electronic medical records and DHIS2 in Malawi, and the prevalence of Mental health among NCD patients in Rwanda.

### Health Builders, Rwanda

Jan 2022 – Aug 2022

Principal Investigator (Consultant) –The project was under the partnership between the [University of Global Health Equity \(UGHE\)](#) and [Health Builders](#).

#### *Achievements/Tasks*

- Assessed the accuracy, completeness, and timeliness of Rwanda's Health Management information system using a sample of three districts and developed a robust methodology for future data quality audits (DQA).

### AIDS and Rights Alliance for Southern Africa (ARASA), Namibia

Technical Consultant (Remote)

Sep 2021 – Feb 2022

#### *Achievements/Tasks*

- Developed a comprehensive results framework aligned with [ARASA's](#) strategic plan and refined the monitoring and evaluation framework for programs across 18 countries in Eastern and Southern Africa. This framework significantly improved the organization's ability to track and measure program outcomes effectively.
- Led the Regional Scan of Universal Health Coverage (UHC) in Eastern and Southern Africa (ESA) — providing a 18-country comparative evidence base to inform advocacy and programme design.

### IDinsight, Zambia

Associate

Sep 2019 – Sep 2021

#### *Achievements/Tasks*

- Established a comprehensive Infection Prevention and Control (IPC) data system for the Zambian Ministry of Health (MoH) and Zambia National Public Health Institute (ZNPHI), enhancing the tracking and processing of IPC data nationwide. This system significantly bolstered health facility responses to COVID-19.
- Supported the African Poultry Multiplication Initiative (APMI) to assess the impact of Dual Purpose Birds (DPBs) on livelihood, women empowerment, and nutrition in Nigeria and Tanzania.
- Led data quality audits and [evidence reviews](#) for the Digital Green impact evaluation, ensuring the integrity and reliability of data collected by field teams in India.
- Embedded in Zambia's Ministry of Community Development and Social Services to strengthen data systems for social protection programs and supported the revision of national policies.

### Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Zambia

Consultant – Zambian-German Multisectoral HIV Programme (ZGMHP)

Aug 2018 – Dec 2018

Programme Associate - Zambian-German Multisectoral HIV Programme (ZGMHP)

Jan 2018 – Jun 2018

#### *Achievements/Tasks*

- Spearheaded high-level advocacy efforts to promote the efficacy of the Join-In-Circuit (JIC) as a tool for enhancing Comprehensive Sexuality Education (CSE) in Zambia, influencing national education strategies.
- Coordinated strategic engagements with key stakeholders, including GRZ Permanent Secretaries and Directors, HIV Corporating Partner's group, National AIDS Council, the Global Fund, and other organizations, fostering a unified approach to health education.
- Authored and developed the JIC toolkit, capturing and documenting the experiences and best practices of the ZGMHP Programme.
- Co-chaired the Health Promotion and Demand Creation Pillar of the Zambian Ministry of Health's National Adolescent Health Technical Working Group (ADH TWG), driving initiatives to improve adolescent health outcomes.
- Led the development, deployment, and management of a rigorous Follow-Up Evaluation to a Randomized Control Study, assessing the efficacy of the Join-In-Circuit as a pedagogical tool for enhancing comprehensive sexuality education (CSE) in Zambia.

### GFA Consulting Group, Germany

Assistance Consultant – GFA SGBV fact-finding mission in Zambia

Sep 2018 – Oct 2018

#### *Achievements/Tasks*

- Conducted comprehensive stakeholder analysis, systematic reviews, and profiling of national and regional sexual and gender-based violence (SGBV) programs for the European Union's Technical Assistance support to the Zambian Government. This mission provided critical insights and recommendations for enhancing SGBV interventions and policies

### **Graça Machel Trust, South Africa**

RMNCAH +N Consultant/Youth Advocate for Zambia

Jun 2017 – Jun 2019

#### *Achievements/Tasks*

- [Supported Ms. Graça Machel on her high-level RMNCAH +N advocacy missions in and out of Zambia](#), contributing to significant policy discussions and initiatives.
- Successfully presented a compelling case for ending child marriage to the Zambian parliamentary caucus on health, influencing legislative actions and policies.
- Mentored the Kafue District Adolescent Health Technical Working Group, enhancing their capacity to effectively coordinate and deliver adolescent health programs.
- Conducted a comprehensive review of the adolescent health financing landscape in Zambia's Kafue District, identifying key areas for improvement and funding opportunities.

### **Zambia Youth Platform (former AfriYAN Zambia), Zambia**

Youth Advisor

Jan 2015 – Oct 2017

#### *Achievements/Tasks*

- Served as a member of the Global Fund country coordinating mechanism (CCM) youth constituency for two (2) years, contributing to strategic decision-making and resource allocation for health programs.
- Part of the [Zambian delegation](#) to the [World Health Organization's \(WHO\) workshop on the Voluntary Medical Male Circumcision \(VMMC\) 21 strategy](#) for Sub-Saharan Africa, providing insights and recommendations for national health strategies.
- Served as the UNFPA Zambia Representative to the African Youth Convergence (AU Simulation) General Assembly in South Africa, advocating for youth rights, and education and health initiatives at a continental level.

### **Ministry of Health District Health Office - Ndola, Zambia**

Public Health Intern

Dec 2014 – Feb 2015

#### *Achievements/Tasks*

- Conducted comprehensive water sampling and quality assurance, and port health services ensuring the safety and health of the community through meticulous disease surveillance.
- Supervised and trained spray operators in the indoor residual spraying program, in collaboration with Ndola City Council, significantly reducing the incidence of vector-borne diseases.
- Gained hands-on experience in various departments at New Masala Clinic, including pharmacy, outpatient services, biomedical laboratory, maternal and child health, and TB departments, contributing to improved patient care and health outcomes.

### **Young Men's Christian Association (YMCA), Zambia**

Community Volunteer

Jan 2010 – Sep 2013

#### *Achievements/Tasks*

- Successfully increased the membership of the Ndola YMCA branch by over 200%, fostering a vibrant and engaged community.
- Sent as an exchange participant to Canada YMCA (YMCA of Kitchener/Waterloo) to strengthen the partnership between Zambia and Canada YMCA and promoting cross-cultural collaboration.
- Represented the Africa Alliance of YMCAs in the '[We have faith act now for climate justice](#)' caravan from Kenya through Tanzania, Malawi, Zambia, and Botswana to COP17 in Durban, South Africa, successfully mobilizing 240,000 youth voices in support of the second commitment to the Kyoto Protocol.

### **Youth Environment Network (YEN), Zambia**

Youth Advisor

Aug 2011 – Mar 2013

#### *Achievements/Tasks*

- Supported youth and climate change initiatives in Zambia and served as the Zambia Youth Climate Change Network youth representative for Zambia.
- Led work on climate change and food sovereignty for the [SPIRE/YEN partnership](#) and delivered a keynote speech at the [2012 Globalization conference in Norway \(Topic: Youth involvement in global environmental protection\)](#).
- Promoted climate change initiatives focused on small-scale food producers in Italy, Norway, and Zambia, enhancing sustainable agricultural practices and food security.

**Prevalence of HIV testing uptake among the never-married young men (15 – 24) in sub-Saharan Africa: An Analysis of demographic and health survey data (2015 – 2020)**

Emmanuel Musonda, Million Phiri, Liness Shasha, Chiti Bwalya, **Shuko Musemangezi**, Sage Marie Consolatrice Ishimwe, Chester Kalinda <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10553359/>

**“When we have served meat, my husband comes first, must be given respect so he takes the bigger part”: A qualitative analysis of maternal and child nutrition among urban and rural households in Rwanda 2024**

Maria Albin, Gloria Igihozo, Theogene Uwizeyimana, **Shuko Musemangezi**, Nachizya Edith Namukanga, Gebremariam Alemayehu, Abebe Bekele, Rex Wong, Chester Kalinda <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0306444>

**Evidence Review of Digital Green’s Video Mediated Farmer Extension Approach, 2021**

William Slotznick, Daniel Stein, Rupika Singh, **Shuko Musemangezi**, and Syed Maqbool [https://www.digitalgreen.org/wp-content/uploads/2017/06/DG-Evidence-Review\\_Final-Report.pdf](https://www.digitalgreen.org/wp-content/uploads/2017/06/DG-Evidence-Review_Final-Report.pdf)

**Implementing the 2017 – 2021 Framework for Voluntary Medical Male Circumcision**

World Health Organisation [https://www.malecircumcision.org/sites/default/files/document\\_library/WHO\\_VMMC\\_framework\\_meeting\\_report\\_2017.pdf](https://www.malecircumcision.org/sites/default/files/document_library/WHO_VMMC_framework_meeting_report_2017.pdf)

**Data Systems for Non-Sewered Sanitation in Sub-Saharan Africa: Status, Challenges, Recommendations, 2025**

**Shuko Musemangezi**, Grace Wambui, Nnamaka Ojogbo <https://stakeholder-map.nyc3.cdn.digitaloceanspaces.com/Data%20Systems%20for%20Non-Sewered%20Sanitation%20in%20Sub-Saharan%20Africa%20-%20Status,%20Challenges,%20and%20Recommendations.pdf>

**Evaluation of the Robustness and Limitations of the Health Management Information System (HMIS) in Rwanda: An Analysis Based on Three Districts**

**Shuko Musemangezi**, Limbani Mkonda, Sirine Benali <https://dspace.ughe.org/entities/publication/ea1b8f68-281c-44ca-8e71-4f49884d7bcc>

Volunteer Experience

**BeRelevant Leadership Academy Africa, Zambia**

Patron Aug 2023 – Present

**Public Health Association of Zambia, Zambia**

Projects and Investments Committee Member Sep 2024 - Present  
Board Trustee Jan 2017 – May 2023

**AfriYAN Zambia**

Member Jan 2015 – Oct 2017

**Zambia Young Men's Christian Association (YMCA), Zambia**

Advisor on Youth Jan 2010 – Sep 2018

**SPIRE, Norway**

International Exchange Fellow - Climate Change and Food Sovereignty Aug 2012 – Feb 2013

**Y's Men International, Zambia**

Youth Representative and Regional Service Director for Youth Involvement and Activities Apr 2011 – Mar 2012

**YMCA Kitchener–Waterloo, Canada**

Exchange fellow - Zambia YMCA & Canada YMCA May 2011 – Jun 2011

Honour Awards

**Top 30 under 30 Rising Global Literacy Leaders 2016**

International Literacy Association