Isaya Mollel

Technology and Data Manager, D-tree International · Dar es Salaam, Tanzania

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PROFILE

Software engineer and digital health leader with more than 10 years in software development, including over 7 years at D-tree International in Tanzania. Leads D-tree's technology and data work in Tanzania and coordinates engineering across D-tree's country offices.

Works with the Ministry of Health, government ICT units, NGOs and technology partners to design, build and run digital community health systems. Brings hands-on experience in health data governance, data quality and privacy, interoperability, and the responsible use of AI in health.

PROPOSED ROLE AND LANGUAGES

Proposed role in the coalition coordinating team: Technical Lead. Gives technical input on digital health policy, health data governance and AI. Links the coalition with government ICT units and technical partners, and supports the national strategy and Roadmap to 2030 work.

Languages: English and Kiswahili, both full professional (spoken and written).

KEY SKILLS

- **Government and partner engagement:** represents D-tree as technology lead with the Ministry of Health, government ICT units, development partners and platform providers.
- **Health data governance:** data quality, security, privacy and interoperability for national and community health data.
- **Digital health systems:** requirements, design, build, deployment and support of mobile and web apps and dashboards for community health.
- **AI in health:** exploring traditional and generative AI to improve health system performance, client engagement and efficiency.
- **Team leadership:** supervising and mentoring engineers, planning and resource allocation across country offices.
- **Program design and business development:** technical input to program design and to proposals on technology, data and AI.

PROFESSIONAL EXPERIENCE

D-tree International, Tanzania (July 2019 – present)

Technology and Data Manager · January 2026 – present · Dar es Salaam

- Represents D-tree's global tech team in cross-functional and cross-country forums, and is the main link between the tech team and the Director of Programs.
- Member of D-tree Tanzania's Senior Management Team; leads technical work for Tanzania programs and gives technical guidance to the Zanzibar team.
- Leads data governance across assigned projects: data quality, security, privacy and interoperability, plus data integration and dashboards for program monitoring.
- Builds partnerships with government ICT units to increase system integration and strengthen government capacity.
- Explores AI applications to strengthen health system performance, client engagement and organisational efficiency.
- Represents D-tree in technical working groups, donor discussions and partner forums, and contributes to proposals on technology, data and AI.

Engineering Manager, Tanzania · January 2024 – December 2025 · Dar es Salaam

- Represented D-tree as technology leader in meetings with partners and government representatives.

- Supervised the Tanzania engineering team, organised workload and supported planning for resource needs.
- Worked with tech leads and product managers from partner organisations to keep delivery aligned.
- Supported the professional growth and performance of engineers in the team.

Lead Software Engineer (including Kizazi Kijacho Project) · January 2022 – December 2023 · Dar es Salaam

- Led software engineering for the Kizazi Kijacho Project and other D-tree Tanzania systems.
- Set and monitored milestones for internal and external teams building software components.

Senior Software Engineer · July 2019 – December 2021

- Took part in planning and coordination meetings with the Ministry of Health and development partners on strategies and processes for the community health information system.
- Worked with NGOs and government to gather and document requirements, and chose technology that fits the local context.
- Designed, built, deployed and maintained web and mobile applications and dashboards for digital health.
- Worked with platform providers and external developers to build, configure or extend digital health tools, and evaluated partner delivery quality.

Earlier experience (2014 – 2019)

Role	Organisation	Dates
CTO and Co-founder (head of mobile app development, UI/UX)	SomaApps Technologies Co. Ltd, Dar es Salaam	Apr 2016 – Apr 2019
Software Developer and Consultant	SoftMed Company Ltd, Dar es Salaam	Dec 2015 – Dec 2016
Application Developer	iMatic Technologies Ltd, Dar es Salaam	Aug 2015 – Nov 2015
Intern Software Developer (remote)	FreeCode International	Jan 2015 – Jul 2015
Research Assistant, UDOM–TCRA cyber security project	University of Dodoma	Feb 2015 – Jun 2015
Project Application Developer, CoICT–TCRA road safety project	University of Dar es Salaam	Jul 2014 – Oct 2014

EDUCATION AND CERTIFICATIONS

- **BSc (Hons) Software Engineering**, The University of Dodoma, Tanzania · 2011 – 2015
- **Certificate in Digital Money (Fintech)**, The Fletcher School of Law and Diplomacy, Tufts University · 2017
- **Microeconomics** (certification)