

Tewodros Hailegeberel

Addis Ababa, Ethiopia | +251 929 123 944 | thailegeberel@gmail.com | linkedin.com/in/thailegeberel | U.S. Citizen

SUMMARY

Public-sector transformation and digital systems leader advising governments, donor institutions, and utilities on enterprise modernization across Africa and the United States. Served as principal technical oversight lead for USAID/Ethiopia's **\$63M** Digital Health Activity, supporting national platforms reaching **8,000+** health posts and **1,300+** health facilities. Founded and scaled an Ethiopian location-intelligence company to **25,000+** users and a **40-person** team. Combines executive advisory work — strategy, procurement, governance, and investment decisions — with hands-on technical depth in enterprise GIS, health information systems, and interoperability architecture.

EXPERIENCE

Senior GIS Engineer

Dec 2025 – Present

Adam Smith International — Public-Sector & Utility Advisory

Addis Ababa, Ethiopia

- Advise Ethiopian utility and public-sector executives on a **~\$5M** donor-financed enterprise modernization programme, tying technology investment to operational requirements and institutional readiness.
- Reduced proposed Esri licensing costs by **~10%** through client and vendor negotiation while preserving every required enterprise capability.
- Advise on integration across GIS, asset and customer information, ERP/SAP, SCADA, outage management, and metering environments to eliminate data silos.
- Translate operational requirements into implementation roadmaps, technical specifications, procurement inputs, acceptance criteria, and executive decision materials.
- Lead executive and technical workshops with utility leadership, ICT teams, vendors, and development partners to resolve competing priorities and convert strategy into executable actions.

Regional GIS & Digital Health Consultant

CONCURRENT

Oct 2025 – Mar 2026

Palladium — Data.FI Project

Burundi / Remote

- Advised Burundi's Ministry of Health and national partners on interoperability, data governance, and decision support for national HIV information systems.
- Designed integration planning across SIDAInfo, IBIPIMO, eLMIS, and DHIS2 on an OpenHIM-based architecture, converting interoperability requirements into technical and operational specifications.
- Led GIS and analytical workstreams that enabled national and facility-level stakeholders to locate geographic service gaps and target resources.

Senior Digital Health Advisor

Oct 2022 – Jul 2025

USAID/Ethiopia Mission — Health Office

Addis Ababa, Ethiopia

- Principal technical oversight lead for a **\$63M** national Digital Health Activity, owning strategic, technical, budget, procurement, risk, and sustainability review.
- Strengthened digital-health services reaching **8,000+** health posts and **1,300+** health facilities across community health, electronic medical records, supply chain, workforce management, facility registry, and health-information exchange platforms.
- Directed reviews of annual work plans, budgets, performance indicators, and procurement packages, converting findings into executive recommendations and investment decisions.
- Built a sustainability model supporting **15+** youth-led digital service enterprises and **100+** young technology professionals serving **~400** health facilities.
- Evaluated vendor proposals and scaling models against technical fit, interoperability, government alignment, and long-term cost.

GIS & Knowledge Management Specialist

May 2021 – Oct 2022

USAID/Ethiopia Mission — Program Office

Addis Ababa, Ethiopia

- Advised Mission leadership on geospatial strategy, data governance, and analytics across health, humanitarian, resilience, and infrastructure programming.
- Built enterprise data strategies, dashboards, SOPs, metadata standards, and governance frameworks that improved the consistency and usability of program information.
- Embedded geospatial analysis into program design, monitoring, and resource prioritization, extending location intelligence well beyond specialist GIS functions.

GIS / Data Specialist

Nov 2020 – May 2021

USAID / Credence Management Solutions — Office of HIV/AIDS

Washington, DC

- Delivered geospatial analytics and PEPFAR program monitoring across **eight** USAID Missions, converting program data into targeting and performance insight.
- Automated recurring analytical workflows in Python, SQL, ArcGIS, and ETL, improving turnaround and consistency of country-level analytical products.

GIS Solution Engineer

Mar 2020 – Nov 2020

Geospatial Consulting Group International — U.S. Census Bureau Support

Alexandria, VA

- Translated federal requirements into enterprise geospatial solution concepts for population mapping, data management, and emergency-response use cases.
- Designed and demonstrated ArcGIS Enterprise applications, web maps, and dashboards that supported client evaluation and implementation decisions.

GIS Technical Lead

Sep 2019 – Mar 2020

DC Water and Sewer Authority

Washington, DC

- Led enterprise geospatial technology and data support for a major U.S. water and wastewater utility, working across GIS, IT, engineering, and field operations.
- Deployed and maintained enterprise GIS services using ArcGIS Server, Portal for ArcGIS, cloud infrastructure, and enterprise geodatabases, and automated system-management workflows for large infrastructure datasets.

Founder & Chief Executive Officer CONCURRENT

2017 – 2020

eAdrasha

Addis Ababa, Ethiopia

- Founded and led an Ethiopian location-intelligence company addressing navigation, business discovery, digital addressing, logistics, and urban service delivery.
- Grew the platform to **25,000+** users within its first six months and built a **40+** person organization across software development, geospatial data, field operations, partnerships, and customer engagement.
- Improved platform infrastructure performance by **~35%** through cloud optimization, tile caching, and load balancing.
- Led product strategy across search, routing, geocoding, and location-data APIs, and built partnerships with government agencies, businesses, and transport operators.

Senior Geospatial Analyst

May 2014 – Sep 2019

Prince George's County Government — Office of Information Technology

Largo, MD

- Led countywide GIS strategy and contributed to a five-year enterprise GIS framework connecting data governance, application development, infrastructure, and agency requirements.
- Supervised GIS professionals and advised departments on geospatial technology, data standards, analytical methods, and enterprise application requirements.
- Served as GIS lead for emergency management, delivering geospatial information and operational decision support during exercises and live activations.

Geospatial Consultant — International Development CONCURRENT

2012 – 2017

USAID Haiti · FHI 360 Malawi · other international programs

Multi-country

- Delivered geospatial analysis, information management, digital mapping, and decision-support services for international development and public-health programs, with capacity building for local and international teams.

EDUCATION

M.S., Geospatial Information Sciences — University of Maryland, College Park

B.S., Environmental Science — University of Maryland, College Park

TECHNICAL SKILLS & CERTIFICATION

Platforms & GIS — ArcGIS Enterprise, ArcGIS Pro, QGIS, PostgreSQL/PostGIS, Azure, AWS

Data & Analytics — Python, SQL, ETL, Power BI, Tableau

Health Systems — DHIS2, OpenHIM, HL7 FHIR, APIs and interoperability architecture

Certification — Certified GIS Professional (GISP)

ADDITIONAL

Languages — English, Amharic | **Citizenship** — United States

Regional experience — Ethiopia · Burundi · Haiti · Malawi · multi-country USAID programs · United States