

Eric Maingi Mulinge, Urban Planner | Urban Climate & Geospatial Analysis

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Work Experience

Akiba Mashinani Trust: Urban Planning & GIS Support *November 2024 – April 2025*

- Supported **sustainable urban development and climate resilience planning** through situational analysis for land use planning across five sub-locations and one informal settlement in Homa Bay Municipality, contributing to evidence-based decision-making at local level.
- Processed and analysed extensive **field and geospatial datasets** (KoboCollect, GIS) and authored six situational analysis reports within a multidisciplinary team, translating data into **policy- and programme-relevant planning outputs**.
- Supported **climate-vulnerable and low-income urban communities** in Mukuru Kayaba informal settlement (0.43 km²; -22,000 residents) through integrated spatial analysis, stakeholder engagement and planning support for water and sanitation improvement initiatives.
- Facilitated **stakeholder and community engagement** sessions with community champions and flood- and eviction-affected households to validate spatial data used in legal advocacy and resilience planning processes.
- Conducted GIS field surveys to map village boundaries and demolition extents along the Nairobi River, improving the accuracy of settlement-level datasets for **urban resilience and service delivery planning**.
- Digitized over 5,900 structures within one week in a two-person GIS team, demonstrating efficiency, collaboration and adherence to data quality standards.

World Bank, Dar es Salaam, Tanzania: Transport Intern *September 2023 – September 2024*

- Contributed to the transport component of Tanzania's **Country Climate Development Report (CCDR)**, supporting climate-informed analysis at national and urban scales in collaboration with a multi-disciplinary team.
- Supported **programme analysis and monitoring** through collection, cleaning, harmonization and management of geospatial, demographic and transport datasets in line with institutional quality assurance standards.
- Assisted with **accessibility and beneficiary analyses** using GIS and Python, contributing to **evidence-based planning** for climate-sensitive urban transport investments, including the Dar es Salaam Urban Transport Improvement Project.
- Produced maps and visual materials to support **technical reporting, policy dialogue and communication** with both technical and non-technical stakeholders.
- Supported innovative use of GIS-based 2D and 3D visualization tools to enhance project design review and decision-making with clients and project teams.
- Served as GIS and logistics focal point during a three-day field mission to Lindi, Tanzania, coordinating site visits through spatial tools while verifying field data for future programme use.

Metropolis Planning and Environment: Assistant Planner-Intern *February 2023 – August 2023*

Key Contributions:

- Supported **land use planning and sustainable urban development projects** through site surveys, policy reviews and preparation of development recommendations in collaboration with professional planners.
- Assisted in **Environmental Impact Assessment (EIA/EA)** processes, including public participation, field data collection and spatial analysis, ensuring integration of environmental and social considerations into planning outputs.
- Prepared cartographic and visual materials (land use maps, zoning plans, suitability analyses and base maps) to support **technical reporting and client communication**.

Town and County Planners Association of Kenya: Assistant Planner *July 2022 – November 2022*

- Supported organization and delivery of the National Town and County Planning and Development Conference (2022), contributing to **programme coordination and stakeholder engagement**.
- Developed communication and outreach materials, including conference artwork, posters, programmes and invitations.
- Liaised with sponsors, presenters and participants across sectors, supporting coordination and schedule management for a national-level professional event.

- Compiled the official post-conference report, contributing to **knowledge capture and institutional learning**.

Geodev Kenya Limited: Assistant Planner-University Attachment *July 2021 – August 2021*

- Supported preparation of the Mombasa County Spatial Plan through research, reporting and GIS-based mapping in a team of urban planners and GIS technicians.
- Contributed to analysis and reporting for the water and sanitation sector, supporting **evidence-based spatial planning**.
- Conducted large-scale GIS digitization of settlements, infrastructure and buildings across the county.

Kenya National Bureau of Statistics: Enumerator *August 2019*

- Collected and submitted over 120 geocoded household questionnaires for the 2019 National Population and Housing Census.
- Supported team coordination to meet data collection deadlines.

Education

- University of Nairobi,**

B.A. Planning (DURP) Second Class Honors - Upper Division

Dissertation: *Assessing Effectiveness of Water Supply in Fast Growing Suburban Residential Settlements - A Case Study of Katani Suburb Within the Nairobi Metropolitan Region.*

- Professional Training & Certifications -**

ESRI MOOC Certification: GIS for Climate Action (2025)

ESRI MOOC Certification: Cartography (2025)

Proficiency & Skills

- Geospatial Analysis & GIS:** ArcGIS Pro, QGIS, ArcMap, KoboCollect, GPS Essentials
- Data & Analysis:** Spatial analysis, accessibility analysis, data cleaning and harmonisation
- Design & Visualisation:** AutoCAD, SketchUp, Adobe Illustrator, InDesign, Photoshop, 3D-Street
- Productivity:** Microsoft Office Suite (Word, Excel, PowerPoint, Access)

Languages

- English – Fluent (read, write, speak)
- Swahili – Fluent (read, write, speak)

Additional Activities / Leadership & Service

- Acting UoN Secretariat to REITS Association of Kenya (RAK) & University of Nairobi's (UoN) collaborative meetings. (*February 2023 – August 2023*). Charged with organizing monthly online meetings, minute writing and liaising with the RAK secretariat on collaborative activities.
- Member, Public Relations Committee – Rotaract Club of Syokimau (2025–present)
Designed posters and taglines for club activities and supported digital outreach and member mobilization.

Professional Affiliations

- Town and County Planners Association of Kenya (TCPAK)

References available upon request