

Akisa Moruri

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CAREER PROFILE SUMMARY

Dedicated and results-driven Geospatial industry support professional with a proven track record of effectively resolving Geo-spatial related issues. Seeking to contribute technical expertise and excellent communication skills in a dynamic support role.

EDUCATION BACKGROUND

- **Software Engineering Certification**
Moringa School: 16th February 2024 - 29th November 2024
 - **Technical Induction Course**
Defence Forces Technical College Kenya: 12th October 2015 - 30th March 2017
 - **Diploma in Land Surveying**
Kenya Institute of Surveying and Mapping: 2011 - 2013
 - **Certificate on Geo-Spatial Database Development and Management using:**
 - ArcGIS
 - Remote Sensing
 - Global Positioning System (GPS)
Regional Centre for Mapping of Resources for Development: October 2012
 - **Certificate on African Reference Frame (AFREF) and Global Navigation Satellite System (GNSS) Data Processing Workshop**
Regional Centre for Mapping of Resources for Development: September 2012
 - **Kenya Certificate of Secondary Education**
Enkinda S.D.A Mixed School: 2004 - 2008
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KEY SKILLS AND COMPETENCIES

Web Development Skills

- Passionate and dedicated web developer with expertise in front-end and back-end technologies.
- Specializes in crafting responsive, user-friendly interfaces using:
 - HTML

- CSS
- JavaScript (React)
- Builds scalable server-side applications with:
 - Python (Flask)
 - SQL for efficient database management
- Proficient in:
 - Postman for API testing
 - Git for version control
 - Full deployment cycle, ensuring seamless project transitions from development to production

Geospatial and Surveying Expertise

- Skilled in field surveying using robotic instruments (RTK, total station) for data collection and processing in AutoCAD.
- Proficient in GIS software, including ArcGIS and QGIS.
- Competent in conducting spatial analysis techniques such as overlay analysis, proximity analysis, and spatial interpolation.
- Experienced with geospatial data formats like shapefiles, GeoTIFF, and GeoJSON for analysis and interoperability.
- Familiar with programming languages (Python, SQL) for automation, data manipulation, and spatial analysis tasks.
- Expertise in both conventional and GPS methods of data collection, particularly for topography and construction work (road and building construction).

Professional Attributes

- Strong communication and interpersonal skills.
 - Excellent technical problem-solving abilities.
 - Highly organized with multitasking capabilities.
 - Skilled in time management and meeting deadlines.
 - Quick to adapt to new technologies and changing environments.
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WORK HISTORY

Intern as an Assistant Surveyor

Regional Centre for Mapping of Resources for Development: 14th August 2012 - 14th December 2012

Duties and Responsibilities:

- Collecting geospatial data through various sources such as satellite imagery, GPS, surveys, and fieldwork.
- Digitizing and entering spatial data into GIS databases, ensuring accuracy and adherence to standards.
- Using GIS software (e.g., ArcGIS) to manipulate, analyze, and visualize spatial data.
- Field Surveying, record of surveys, parcel maps, legal descriptions, and appraisal mapping.

Assistant Surveyor

Regional Centre for Mapping of Resources for Development: 4th January 2014 - 5th December 2014

Duties and Responsibilities:

- Prepared records of survey, right-of-way maps, legal descriptions, and exhibits for additional easement and right-of-way acquisitions.
- Used AutoCAD Civil 3D to perform data transfer, computation, and drafting of survey drawings.
- Completed property boundary surveys for government documentation in accordance with state and local laws.
- Conducted topographical surveying, topographical planning, construction, and boundary surveying.

GIS Specialist

Department of Defence - Kenya: 7th December 2014 - Present

Duties and Responsibilities:

- Creating maps and visualizations for reports, presentations, and decision-making processes.
- Providing technical support to GIS users, troubleshooting issues, and resolving data-related queries.
- Conducting training sessions for GIS software usage, data management practices, and spatial analysis techniques.
- Assisting in project planning, including defining project scopes, timelines, and resource requirements.

- Documenting GIS procedures, workflows, and data sources for future reference and auditing purposes.
 - Ensuring compliance with GIS data standards, metadata requirements, and regulatory guidelines.
 - Staying updated with GIS technology advancements and contributing to the research and development of new GIS tools and methodologies.
 - Applying problem-solving skills to address complex spatial data challenges and optimize GIS workflows.
 - Adhering to ethical standards in GIS practices, including privacy concerns, data confidentiality, and intellectual property rights.
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REFEREES

Available upon request.