

Curriculum Vitae for Strong Muhoti

Profession: GIS Developer
Name of Firm: Oakar Services Ltd
Name of Staff: Strong Muhoti
Date of Birth: 08-May-1996
Nationality: Kenyan
Education: **Aug. 2014 – Dec. 2019**, BSc. Applied Science - Geoinformatics (Technical University of Kenya)
Jan. 2020 – April 2021, Diploma in Full Stack Development (Institute of Software Technologies)
Other training: Programming in HTML & CSS, Vanilla JavaScript, Node JS, PHP, Python, Java, Kotlin, Firebase, Mongo DB, PostgreSQL, Geoserver, and Graphics Design
Professional Association: **Member of the Institution of Surveyors of Kenya**
Countries of Work Experience: Kenya.

Languages:

Language	Reading	Writing	Speaking
English	Excellent	Excellent	Excellent
Kiswahili	Excellent	Excellent	Excellent

Employment Record:

June, 2022 - Present GIS Developer, Oakar Services Ltd., Nairobi, KENYA,
Responsible for the design, coding, and modification of mobile and desktop applications in adherence to provided specifications. Troubleshooting and debugging applications ensuring optimal functionality, Maintaining system integrity to guarantee uninterrupted operation, Conducting comprehensive unit integration and testing procedures prior to application launch, Engaging in ongoing research to stay abreast of evolving trends and advancements in mobile and web applications. Develop technical presentations and demonstrations showcasing mobile and web solutions.

May, 2021 – May 2022 Account Executive (SECT), Oakar Services Ltd., Nairobi, KENYA,
Responsible for cultivating and maintaining key business relationships and selling the company's products, solutions and services to qualified accounts following a consistent sales process.

August 2020– Present Volunteer, Humanitarian OpenStreetMap (OSM Kenya Team):
I help work on Mapping Projects that involve disaster risk management for Humanitarian Organizations like the IFRC and others, to help the organizations in their bid to contain disaster's effects such as floods when they happen as well as mitigate the impact by providing early warning to risk-prone communities.

July 2020 – Sept. 2020 NARIGP Field Data Collector (Contract), Oakar Services Ltd.

Responsible for mapping and data collection on agricultural yield of NARIGP farmers' groups.

June 2019– Sept. 2019 Industrial Attachment, Survey of Kenya, Nyeri Offices

Duties included: Digitizing Land Parcels using ArcGIS and AutoCAD, Filling Survey Mutations, Search Forms and Land Control Board Application Forms, General survey office duties.

Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned

From	To	Company/Project/Position/Relevant Technical & Management Experience
September 2023	Ongoing	<p>Name of Assignment/Job or Project: Consultancy Services for the Design and Development of a Monitoring Evaluation and Learning Management Information System (MEL MIS)</p> <p>Client: Western Kenya Water Project (WKWP – USAID)</p> <p>Main Project Features: The overall objective of this consultancy is to design and develop a Monitoring, Evaluation, and Learning Management Information System (MEL-MIS) for the Western Kenya Water Project.</p> <p>Position Held: Mobile App Developer</p> <p>Activities Performed: User needs assessment, UX/UI design, database development, Mobile application development, application testing and piloting.</p>
January 2023	Ongoing	<p>Name of Assignment/Job or Project: Consultancy Services for the Design and Development of a GIS enabled Emergency Response System</p> <p>Client: Ambulex Solutions Kenya</p> <p>Main Project Features: Design and Development of a geodatabase, development of an API, development of a mobile application to report emergencies for public users, development of a mobile application for emergency response teams, development of an administration and analytics dashboard and Training and Capacity Development.</p> <p>Position Held: GIS Developer</p> <p>Activities Performed: User needs assessment, UX/UI design, database development, Mobile application development, application testing and piloting.</p>
March 2023	June 2023	<p>Name of assignment/Job or project: Consultancy Services for the Design, Development and Implementation of a Mobile Data Collection and Updating App and a Web-Based Analytics Dashboard for the Disruptive Agricultural Technology (DAT) Project.</p> <p>Client: Kirinyaga County</p> <p>Main Project Features: Design, Develop and Deploy the System; and conduct farmer mapping for 2,000 farmers in the county.</p> <p>Position held: GIS Developer</p>

		Activities Performed: User Needs Assessment, Design System workflows, Develop system UI, Develop Node JS API, Develop PostgreSQL database, Develop an android application for data collection, develop a web-based analytics dashboard, conduct farmer mapping for 2,000 farmers in the county, and conduct training on the use and maintenance of the developed systems.
January 2023	March 2023	Name of assignment/Job or project: Consultancy Services for the Design, Development and Implementation of a Mobile Data Collection and Updating App and a Web-Based Analytics Dashboard for the Disruptive Agricultural Technology (DAT) Project. Client: Meru County Main Project Features: Design, Develop and Deploy the System; and conduct farmer mapping for 2,000 farmers in the county. Position held: GIS Developer Activities Performed: User Needs Assessment, Design System workflows, Develop system UI, Develop Node JS API, Develop PostgreSQL database, Develop an android application for data collection, develop a web-based analytics dashboard, conduct farmer mapping for 2,000 farmers in the county, and conduct training on the use and maintenance of the developed systems.
October 2022	January 2022	Name of assignment/Job or project: Consultancy Services for the Design, Development and Implementation of a Mobile Data Collection and Updating App and a Web-Based Analytics Dashboard for the Disruptive Agricultural Technology (DAT) Project. Client: Kisii County Main Project Features: Design, Develop and Deploy the System; and conduct farmer mapping for 2,000 farmers in the county. Position held: GIS Developer Activities Performed: User Needs Assessment, Design System workflows, Develop system UI, Develop Node JS API, Develop PostgreSQL database, Develop an android application for data collection, develop a web-based analytics dashboard, conduct farmer mapping for 2,000 farmers in the county, and conduct training on the use and maintenance of the developed systems.
October 2022	February 2022	Name of assignment/Job or project: Consultancy Services for the Design, Development and Implementation of a Mobile Data Collection and Updating App and a Web-Based Analytics Dashboard for the Disruptive Agricultural Technology (DAT) Project. Client: Vihiga County Main Project Features: Design, Develop and Deploy the System; and conduct farmer mapping for 2,000 farmers in the county. Position held: GIS Developer

		<p>Activities Performed: User Needs Assessment, Design System workflows, Develop system UI, Develop Node JS API, Develop PostgreSQL database, Develop an android application for data collection, develop a web-based analytics dashboard, conduct farmer mapping for 2,000 farmers in the county, and conduct training on the use and maintenance of the developed systems.</p>
October 2022	December 2022	<p>Name of assignment/Job or project: Consultancy Services for the Design, Development and Implementation of a Mobile Data Collection and Updating App and a Web-Based Analytics Dashboard for the Disruptive Agricultural Technology (DAT) Project.</p> <p>Client: Trans-Nzoia County</p> <p>Main Project Features: Design, Develop and Deploy the System; and conduct farmer mapping for 2,000 farmers in the county.</p> <p>Position held: GIS Developer</p> <p>Activities Performed: User Needs Assessment, Design System workflows, Develop system UI, Develop Node JS API, Develop PostgreSQL database, Develop an android application for data collection, develop a web-based analytics dashboard, conduct farmer mapping for 2,000 farmers in the county, and conduct training on the use and maintenance of the developed systems.</p>
September 2022	December 2022	<p>Name of assignment/Job or project: Consultancy Services for the Design, Development and Implementation of a Mobile Data Collection and Updating App and a Web-Based Analytics Dashboard for the Disruptive Agricultural Technology (DAT) Project.</p> <p>Client: Nyamira County</p> <p>Main Project Features: Design, Develop and Deploy the System; and conduct farmer mapping for 2,000 farmers in the county.</p> <p>Position held: GIS Developer</p> <p>Activities Performed: User Needs Assessment, Design System workflows, Develop system UI, Develop Node JS API, Develop PostgreSQL database, Develop an android application for data collection, develop a web-based analytics dashboard, conduct farmer mapping for 2,000 farmers in the county, and conduct training on the use and maintenance of the developed systems.</p>
September 2022	November 2022	<p>Name of assignment/Job or project: Consultancy Services for the Design, Development and Implementation of a Mobile Data Collection and Updating App and a Web-Based Analytics Dashboard for the Disruptive Agricultural Technology (DAT) Project.</p> <p>Client: Bungoma County</p> <p>Main Project Features: Design, Develop and Deploy the System; and conduct farmer mapping for 2,000 farmers in the county.</p> <p>Position held: GIS Developer</p>

		Activities Performed: User Needs Assessment, Design System workflows, Develop system UI, Develop Node JS API, Develop PostgreSQL database, Develop an android application for data collection, develop a web-based analytics dashboard, conduct farmer mapping for 2,000 farmers in the county, and conduct training on the use and maintenance of the developed systems.
September 2022	Ongoing	Name of Assignment/Job or Project: Consultancy Services for the Design and Development of an Asset Management System for Uganda Electricity Transmission Company Limited Client: Uganda Electricity Transmission Company Limited Main Project Features: Design and Development of a geodatabase, development of an API, development of a mobile application for asset maintenance, development of an administration and analytics dashboard, and Training and Capacity Development. Position Held: Mobile App Developer Activities Performed: Development of a Mobile Application for Asset Mapping and Updating.
Aug 2022	Ongoing	Name of assignment/Job or project: Development of a Utility Manager Web Solution Client: Mathira Water and Sanitation Company Main Project Features: Development of an Integrated Utility Manager Solution for Mathira Water and Sanitation Company Position held: GIS Developer Activities Performed: Developing a Mobile Application for Utility Mapping and Incident Reporting, Assisting in the development of the Web Based Geospatial Portal.
June 2022	August 2022	Name of Assignment/Job or Project: Consultancy Services for the Design and Development of a Geo-Portal and Configuration of Open Data Cube for The Kenya Space Agency Client: The Kenya Space Agency (KSA) Main Project Features: Design and Development of a Geo-Portal, Configuration of Open Data Cube and Training and Capacity Development for KSA Staff. Position Held: GIS Developer Activities Performed: Database Design and Development, Project Report Writing, Production of Maps, Geoportal Development, Configuration of GIS Server, Geoportal Development and Training and Capacity Building
June 2021	May 2022	Responsible for cultivating and maintaining key business relationships and selling the company's products, solutions and services to qualified accounts following a consistent sales process.

Day/Month/Year