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## **PERSONAL DETAILS**

**Gender:** Male

**Nationality:** Kenyan

**Languages:** Proficient in both spoken and written English and Swahili

## **PERSONAL STATEMENT AND SKILLS**

I am a geographer with 5 years' experience in **GIS, REMOTE SENSING AND MAPPING**. I have vast knowledge and competence in natural resources assessment and management; urban mapping, early warning systems for food security & disaster management. Data acquisition, preparation and interpretation, Land Use Land Cover mapping. Land Use Change Analysis/Detection. GeoDatabase creation, Spatial analysis, Quality assessment, Project Monitoring and Evaluation, Cartographic (map creation) skills, GPS systems, Geographic fieldwork, Report and proposal writing, GIS, Remote Sensing and GPS training and Capacity Building and community development.

I am a hardworking person, social with excellent communication and interpersonal skills, well organized, creative, innovative, a great team player, honest, a fast learner and self-driven. I can also work under pressure if and when the need arises with minimal supervision.

I have been working with RCMRD since 2011 and interacted with various local and international organizations and institutions, through which I have gained adverse knowledge and skills.

## **PROFICIENCY**

- Geographic information Systems - **ArcGIS, QGIS and ArcView**.
- Remote Sensing - **ERDAS, ENVI, MADCAT, IDRISI, SPIRITS and BEAM**.
- Agro-Climatic Geo-tools – **GeoCLIM, GeoWRSI, GeoCOF**
- Food Security Analysis
- Database management systems
- Water resource management
- Change detection analysis
- Statistical analysis
- Spatial Metadata-Management – FGDC,XML

## **WORK EXPERIENCE AND RESPONSIBILITY**

**2014 – Present:** Famine Early Warning Systems Network (USGS - FEWSNET)

**Department:** Assistant Regional Scientist East Africa

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**Responsibilities:** Agro-climatological and Food Security Analysis

- Image processing and interpretation
- Conducting training courses
- Statistical analysis
- Report writing

**2011 to 2014:** Regional Center for Mapping of Resources for Development (RCMRD)

**Department:** Remote Sensing, GIS and Mapping

**Responsibilities:** Implementing project activities such as but not limited to:

- Image processing and interpretation
- Field verification
- Cartographic Design
- Conducting training courses
- Preparing final project reports
- Verifying the integrity and accuracy of spatial and non-spatial data
- Database creation, Management and updating
- Statistical analysis
- Proposal writing
- Needs assessment

**2009 and 2010:** Regional Center for Mapping of Resources for Development (RCMRD)

**Department:** Remote Sensing, GIS and Mapping

**Responsibilities:** RS/GIS Technician On attachment

**EDUCATION**

- Skills review for ArcGIS Desktop Associate
- Training of Trainers. OUTLOOK SOLUTIONS, RCMRD
- Water Quality Analysis and Flood Monitoring Using remote Sensing Training, RCMRD
- Crop monitoring using Remote Sensing (SPIRITS Software), ITALY
- GIS / Remote Sensing and GPS Training, RCMRD
- Moi University Main Campus (Bachelor of Arts, Geography)
- Musingu High School (Kenya Certificate of Secondary Education, KCSE)
- Star Academy (Kenya Certificate of Primary Education, KCPE)

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## **PROJECTS**

- Planning for Resilience in East Africa through Policy Evaluation, Research and Development (PREPARED)
- Famine Early Warning Systems Network (FEWSNET)
- Quality Assessment for ADCC on Namibia 1 million scale updating and mapping project
- Capacity building Mission to Swaziland on Urban Mapping Using GIS/RS technology
- Land Use land Cover mapping of the Lake Victoria Drainage Basin for water quality assessment (SERVIR)
- Spatial mapping of biodiversity and ecosystem attributes for conservation programs in Northern Kenya (The Nature Conservancy)
- Acquisition of Remote Sensing data and Land Cover mapping for Tende and Kibuo river basins (WRMA Kisumu)
- Urban Mapping for planning purposes for 13 towns (Kingdom of Swaziland)
- Assessment and Evaluation of the Green House Gas Inventory (GHG) project with DAI (Malawi)
- Forest Cover by Crown Densities mapping for Kenya, (Kenya Forest Service)
- Report writing and editing for the Mapping of Five areas of Environmental priority in Kenya project, (Ministry of Environment, Kenya)
- Mapping Forest Resources at National level in Kenya, (Kenya Forest Service (KFS) and PASCO CORPORATION, JAPAN)
- Land Use, Land Use Change and Forestry Mapping (LULUCF), (Government of Kenya under Kenya Forest Service)
- Mapping of Five areas of Environmental priorities in Kenya (The Ministry of Environment, Kenya) Land Use, Land Use Change for the following areas;
  - Dadaab Refugee Camp
  - Lake Turkana Basin
  - Lake Victoria Basin
  - Ewaso Ng'iro Basin
  - Mara Basin
- Mapping of Wetlands in Kenya (The Ministry of Environment, Kenya).
- Crop yield estimation (Fews Net, Kenya) using Dot grid matrix (RLCM in ArcGIS) for;
  - Mozambique
  - Afghanistan
  - Burkina Faso
  - Rwanda
- Geodatabase creation for the Biosphere Reserves in Africa (UNESCO).
- Map correction for Rahad, Sudan.

- Maji Data Project  
- Database creation, Polygon correction, Geo tagging.

## **PUBLICATIONS**

DROUGHT IN EAST AFRICA by CHRIS SHITOTE. <http://www.virtualkenya.org/maps/map-images/529-drought-in-east-africa>

Report on National Forest Resource Mapping and Capacity Development for the Republic of Kenya. Rep No. : KEF09/11494/01, October, 2011 and Rep No. : KEF09/11494/01, February, 2013

## **REFEREES**

MR. GIDEON GALU, REGIONAL SCIENTIST, USGS FEWSNET EA, NAIROBI. TEL: +254721244004. <a href="mailto:ggalu@fews.net">ggalu@fews.net</a>	PROF. PAUL OMONDI, HEAD OF GEOGRAPHY DEPARTMENT, MOI UNIVERSITY, P.O.BOX 3900 – 30100, ELDORET. TEL: 0733485038	MR. DAVID ONGO, GIS/REMOTE SENSING EXPERT, UNESCO, NAIROBI, KENYA. TEL: 0726613962. <a href="mailto:davieongo@yahoo.com">davieongo@yahoo.com</a>
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