ROP KIPLAGAT BRANHAM

Curriculum Vitae

CURRICULUM VITAE

PERSONAL DETAILS

Name:	Branham Kiplagat Rop.
Address:	P.O. Box 79106 – 00200, Nairobi, Kenya.
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Email address:	ropkiplagat@gmail.com.
Nationality:	Kenyan.
Marital status:	Married.
Sex:	Male.
Date of birth:	13/05/1977

PROFESSIONAL OBJECTIVE:

To develop and deliver global standards GIS applications for use in automation for increased revenue collection and service delivery in all the spheres of the economy in in Africa.

Competencies: Strong team leadership skills, good planning and organizational skills, excellent communicator, accountability, result oriented and committed to continuous learning and career development.

Areas of Specialization: Geographic Information Systems (GIS), Remote Sensing, Global Positioning System (GPS), Digitizing, Web Mapping, Business Analysis, Location Analysis

ACADEMIC BACKGROUND

KEY QUALIFICATIONS

Certificates

2009	Resource Planning and Management - OSL
2008	Web Mapping - OSL
2006	Remote Sensing - OSL
Masters Degree:	
2003-2005	MSc Computer Science, MUK
Post Graduate Diploma:	Computer Science, MUK
200-2003	

Bachelor degree:	BA Moi University, Keny
1998-2002	
High School Attended:	Lenana School
1993-1996	KCSE Certificate

EMPLOYMENT RECORD

1.0 GIS Analyst/ Business Development Executive, GIS WORLD (January 2011 – Present)

Lead GIS business development, Training in GIS/Remote Sensing and GPS to customers. Provides technical support to developers, implementers and customer representatives including GIS/GPS queries, installation of software, and configuration of hardware. Project Management of the on-going projects from inception to completion and writing of progress reports. Business proposal generation and sourcing for funding for new projects Involved in contacting sales leads and existing customers to discuss enquiries about products.

2.0 GIS Analyst, Flametree Systems Engineering Ltd –2009-2011

Involved in spatial data collection using GPS and field questionnaires, Data Editing, Data Preparation, Data Documentation; Developing project Proposals, Work Plans, scheduling, performance tracking and reporting; Designing Survey Plans, Data Collection, Rollout and Analysis; Development and review of training course materials; Data management; provision of logistical support to training as well as processing and analyzing satellite imagery.

3.0 GIS Consultant, GIS WORLD, 2005- 2007

Participated in GIS Mapping and development exercise in the company which entailed administration of questionnaires, photography and GPS data collection of the company clients. The highlight was mapping of primary schools in Kenya.

4.0 Mwogisoft Systems, Systems Developer & Business Development Nairobi, Kenya, 2004-2007

Involved in the development of systems for use by the company namely billing, management and HR solutions.

MEMBERSHIP
1. WASPA
2. KWIA
3. Fellow Computer Society of Kenya
4. International Water Association

HIGH LIGHTS OF PROJECT WORK EXPERIENCE

Water Resources and Facilities Mapping for Matete IP (Webuye), World Vision Kenya, January 2012

Tasks Accomplished:

- Organized field teams to carry out data collection and compilation using GPS receivers and existing maps;
- Undertook processing of field data collected using ArcGIS version 10;
- Undertook map design, layout creation from the data collected and generated outputs as well as printing of the maps created;
- Published and Uploaded GIS maps produced to ArcReader and Google Earth.

GIS Consultant – Mapping of Water Resources in Machakos County March-August 2014

Tasks Accomplished:

- Worked with the county government;
- Obtained GPS coordinates for water pans, rivers, bore holes, sand pans etc;
- Developed Geographic layers i.e. shapefiles from GPS coordinates collected;
- Demarcated neighborhood maps into segments and sub-segments for purposes of sampling household data collection;
- Performed hotspot analysis using ArcGIS version 10.1 using data from previous data collected from Viwanda and Korogocho informal settlements;
- Trained APHRC field teams on the use of GPS receivers to collect data.

GIS Consultant – SWAP BFZ PROGRAM FOR STRENGTHENING WASPA MEMBERS

Tasks Accomplished:

- Worked with WASPA (Water Service Providers Association) members;
- The program was to strengthen the operations of WSPs through reduction of UFW using GIS;
- GIS lab was set up in Kericho Water & Sewerage Company as a centre for

excellence;

- 15 WSPs participated in the sensitization program;

GIS Consultant – ESTABLISHMENT OF GIS SURVEY OF WATER METERS & ASSET IN NANYUKI WATER & SANITATION COMPANY

Tasks Accomplished:

- Mapped the water meters, valves, pipes and other assets;
- Obtained attributes and GPS coordinates for the assets
- Developed Geographic layers i.e. shapefiles from GPS coordinates collected;
- Demarcated the zones, routes and reading sequences;
- Trained the water meter readers field teams on the use of GPS receivers to collect data.

DEVELOPMENT OD WEB BASED GIS DECISION SUPPORT SYSTEM FOR WATER RESOURCES IN MAKUENI

Tasks Accomplished:

- Mapped the water resources in the county;
- Developed layers of the water resources in a GIS database
- Developed a web based application for decision making using open source technologies
- Trained the staff on using and collecting data

GIS Consultant – ESTABLISHMENT OF BASELINE GIS SRURVEY FOR ELDOWAS 2015

Tasks Accomplished:

- Established baseline data for water assets in Uasin Gishu county;
- Identify all the water pipes, valves;
- Developed Geographic layers i.e. shapefiles from GPS coordinates collected;
- Integrate the GIS baseloine survy to the existing county GIS database.

GIS Expert – REDUCING NON RVENUE WATER IN 8 WSP (WATER SERVICE PROVIDER) LOCATION KENYA 2016-2017

Tasks to be done:

- Established GIS database for the 8 utility company
- Develop a hudraulic modeling for all the pipe network;

- Establish and locate the company assets
- Develop a DMA (Distinct Metering area) using data of the customer location

Tasks Accomplished

- Using Arcgis 10.4 we digitized all the company assets – pipes, valves, customers
- Developed hydraulic model using epanet and Autocad
- Establish zones based on customers and pipe networks

GIS Expert – ESTABLISHING VISIBILITY FOR PWANI OIL INDUSTRIES

Tasks to be done:

- Digitize the location of all the distributors for the company
- Establish business analytics (presence of other competitors);

- Establish Location analytics (asses the location of nearest competitors)
- Develop a DMA (Distinct Metering area) using data of the customer location

Tasks Accomplished

- Developed a visibility map
- Developed a location analysis
- Developed a business analysis

MAPPING OF TOURISM SITES IN SIAYA COUNTY

Tasks accomplished:

- Undertook Field Data Collection using GPS Receivers;
- Administered Questionnaires to the Ward reps for identification of tourism sites in their ward;
- Undertook Analysis of GIS Data, Map Production and Report Writing;
- Supervised field officers as a Team Leader;
- Handled and reconciled project funds and undertook payment to field officers, as a Team Leader.

SKILLS

Computing Skills

- Esri ArcGIS applications and Extensions;
- ArcGIS Server and Web Mapping;

- Business Analyst

- Location Analyst

- ERDAS Imagine suite for Image processing and analysis;
- Mobile GIS; Integrating GIS and GPS Technologies: Esri ArcPad for GPS, and Ashtech Mobile Mapping Software;
- GPS; use of various Handheld & Differential GPS equipments;
- OmniSTAR Correction Signals;
- Microsoft Office Suite.

REFEREES

To be provided on request.