

CURRICULUM VITAE

Kariuki Calisto Brian

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Personal Information

Date of Birth	13 th Jan, 1994
Nationality	Kenyan
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Next Kin	Mr John Kariuki P. O. Box 28648-00100, Nairobi.

Career Objective

To create a serene environment where I can utilise my knowledge and achieve the set goals and make the condition better than before I joined.

Personal Profile

I'm a self-driven, self-motivated and enthusiastic person who has an underlying concern for doing things better. Having the ability to persuade convince and

influence. I can articulate a common vision and provide others with a sense of direction. I'm also able to analyse and synthesise experience, observation and information and evaluate options and identify patterns and future possibilities and also have the ability to express in a written form the key information in a succinct and professional manner.

Educational Background

September 2012-April 2017: University of Nairobi

B.Sc. Geospatial Engineering and Engineering Survey (Upper second class honors).

January 2012- September 2013: Computer Pride Africa ICDL

Certificate.

Kenya Certificate of Secondary Education

January 2008 - November 2011

Nyahururu Elite senior school.

Grade: B+

Kenya certificate of primary education

2004- November 2006

Rockfields junior school.

Grade: A- **Work Experience**

- **May 2015-August 2015– Dongo Kundu RAP Project**

I worked as a research assistant intern under UNES in the KPA (Kenya Ports Authority) project in Dongo Kundu area, Mombasa.

Roles: use on Handheld-GPS (Global Positioning Systems), Total Station, RTK.

- **July 2016-September 2016 – RKV CONSORTIUM**

Industrial attachment.

I worked as an assistant Engineer in the last mile electrification programme in Kericho where I was tasked with site supervision and preparation of technical reports.

Roles: KPLC (Kenya Power and Lighting Company)-Customer Creation and

REA (Rural Electrification Authority) surveys, Cadastral Surveys and Geodetic Surveys. Topographical Surveys, Route Network Surveys and Engineering drawing using AutoCAD Civil 3D.

- **July 2016-September 2016 – GEOCONSULT ENGINEERING**

Industrial attachment

I worked as an assistant geotechnical Engineer, where I was oriented in the geotechnical works of the earth and involved in geotechnical works at China Civil in their Kaloleni area quarry Mombasa.

Roles: Engineering Surveys (Rehabilitation of G-Section Cargo terminus).

- **April 2017- to date. - China Wu Yi (Kenya) Precast company.** I am currently working as an assistant production Engineer in the production department of the company. I have been trained on the basic aspects of any construction, which include,

1. Setting out required levels on the original ground surface, stripped surface, excavated surface (the sub grade)
2. Estimation of the calculated volumes in comparison from the original ground level (OGL), stripped surface and excavated surface.
3. Orientation of Topographical survey data and setting out of profiles using AutoCAD civil 3D.
4. Achieving precise levels of the final pavement details.
5. Site inspection and Report writing.
6. Route network survey along China Wu Yi (Kenya) precast factory access road
7. Setting out positions of the drainage channels.
8. Production of any precast concrete.
9. Supervision of road construction and building construction.
10. Basic design for concrete roads.
11. Conveying design data from one department to another.

We completed the construction of the precast elements factory in September 2017.

I manage and supervise the production of precast slabs in the factory where I correct designs and inspect the various components on the slabs in order to obtain the specific standards required.

I am responsible for the supervision and maintenance of the Ebawe machines (concrete elements production machines), Progress machines and automation (steel production machines) and Echo precast machines which produce pre-stressed hollow core slabs used in the construction of floors in multi-story apartment buildings. The machines and plants are designed for the production of precast walls and floors, hollow core slabs, constructive and pre-stressed precast elements as well as wire reinforcement. PROGRESS GROUP consists of the 5 mechanical engineering companies EBAWE Anlagentechnik, Progress Maschinen & Automation, Tecnocom, Echo Precast Engineering, UltraSpan Technologies as well as the precast concrete producer PROGRESS and the software developer Progress Software Development.

I have been oriented in basic Building information modelling (BIM) where I manage the basic construction of buildings and roads. BIM solves the problem of information sharing and enables the construction project information to be fully shared throughout the entire process of planning, design, construction and operation and maintenance, and to provide a reliable basis for all decisions in the entire construction life cycle.

BIM technology is very suitable for promotion and application in housing industrialization, and the relative investment cost is relatively low, and the efficiency of application output is relatively high. Through BIM technology, the

overall management level of the industrialized housing construction process can be greatly improved. The application of BIM in residential industrialization can run through the entire life cycle of prefabricated residential housing design, efficient design, component production, component logistics, on-site construction, and property management

Prefabricated components that are pre-manufactured at the factory are used in a large number of prefabricated concrete buildings, and assembly construction is performed on the site, which has the advantages of saving labor, overcoming the weather, and facilitating year-round construction. Adopting the integrated design and construction, the ideal state is that decoration can be carried out synchronously with the construction of the main body, and its components must meet the requirements of safety and standardization.

I am also in charge of concrete production in the factory which includes determining the different types of concrete strength required in construction.

Skills

- Visual basics Programming.
- AutoCAD Land Desktop
- AutoCAD Civil 3D □Quantum GIS.
- GPS- geo-referencing.
- ArcGIS
- Global Mapper

- Autodesk
- AviCad

Community Responsibility

- **(2016)** GESA Sports day-
 - **Task:** Host the sports day at University of Nairobi sports ground.
 - **(2015):** Annual International GiSDAY –
 - **Task:** Arrange for the University of Nairobi to celebrate its own GiSDAY that was held on 18th Nov, 2015
 - **(2015):** Geospatial Annual Dinner -
 - **Task:** Arrange for the venue for the dinner **(2014):** Rotary sunshine
 - rally -
 - **Task:** assist in their daily routines and playing with disabled children's. **(2014):** Maji Mazuri center -kasarani Home of Peace
 - **Task:** assist in their daily routines to help disabled children's.
 - **(2014):** Kwetu Home of Peace
 - **Task:** Mentorship to the street boys being rehabilitated at the home.
 - **(2014):** Kenyatta National Hospital
 - **Task:** Physiological therapy for the kids with cancer at a play centre in Ward 3A.
 - **(2013):** The Sunshine Rally
 - **Task:** Volunteer in helping the psychological challenged kids and coordination of rotaractors as the Community Service Director □ **(2013):** Thogoto Home of the Aged
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- **Task:** Helping out at the home by doing various activities around the home.
- **(2012):** Kenyatta National Hospital
 - **Task:** Physiotherapy to cancer kids in Ward 3A
- **(2012):** Tree planting at Ngong Forest Sanctuary
 - **Task:** Planting trees and general awareness of environment to students.

Responsibilities Held

- **May 2015- May 2016: Officer,** Geospatial Engineering Students Association(**GESA-UON**)
- **May 2014- May 2016: International Service Director,** The Rotaract Club of The University of Nairobi (**RC-UON**)
- **May 2013- May 2014: Assistant New Generations Director,** The Rotaract Club of The University of Nairobi (**RC-UON**).

Referees

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