

CURRICULUM VITAE

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## 1.0 PERSONAL DATA.

Nationality: Kenyan.  
Current address: P.O. Box 20359 - 00200, Nairobi, Kenya.  
Fluent languages: English and Kiswahili.

### **My Approach to Assignment - Objective**

Utilize maximum energy and time to fulfill the expected goal in the most efficient and effective manner.

### **Summary of Qualifications.**

- i. Engineering working experience in Design of Large Dam and Construction of Dams, Design of Large Water Supply Design and Supervision of Construction Projects.
- ii. Experience in Water Services Management - Leadership in water services provision, project management, project implementation management and teamwork management for effective solution.
- iii. Experience in sourcing of Financing of Projects through Finance -Design –Build Projects.
- iv. Waste Water Management Expert – Design of sewer and wastewater treatment plants.
- v. Water Resources Management and Water Policy Development.
- vi. Certified NEMA (Kenya) Lead Expert
- vii. Arbitration and Mediation of Civil works Cases between parties.

### **Summary of work experience**

Have over 28 years of working experience in following work group:-

1. **USDAID** as the principal Engineer (Resident Engineer) for KIWASH – DAI projects in 9 counties (Nairobi, Kitui, Makueni, Kakamega, Kisumu, Busia, Siaya, Nyamira, and Migori).
2. **National Water Corporation** as general Manager in-charge of Planning and Design (Planning and Design of large dam, Large Water supply, and supervision of construction) the Central Government
3. **Nyeri Water Company** as the Managing director lead technical, Commercial and financial affairs of the company being the best-managed water Company in Kenya.
4. **Nyeri Water Company** as the Technical Director in charge of Planning, design, management of water production and distribution, head of NRW and Water Quality controls.
5. **GIZ** Water Project in South Sudan as the lead consultant in the establishment of water Companies in Yambio, Yei and Torit towns.
6. **Care International** on improvement of the water supply in Dadaab refugee Camp in Kenya.
7. **COOPI** Kenya as a Water Specialist in the improvement of water supply at Dadaab refugee camp in Kenya.

8. **BADC** – Belgium Technical Corporation Kenya) as the project Manager in the establishment of Private Companies with a strong bias in the Water Service Provision and Water Resources Management, Development and Operations and Maintenance of water projects in Kenya.
9. **Ministry of Water** in the water sector reforms.
10. **Ministry of Water** as the district Water Engineer in charge of management of all water affairs in the district i.e. human resources planning, Design, implementation among others.
11. **Ministry of Water** as Water Planning and Design Engineer

## **2.0 EDUCATIONAL BACKGROUND.**

### **2.1 Academic**

- i. **Masters in Business Administration**  
Jomo Kenyatta University of Agriculture and Technology from 2008 to 2010.
- ii. **Bsc Civil Engineer**  
Nairobi University of 1987 – 1990
- iii. **Diploma in Business Management.**  
Kenya Institute of Management (KIM) from 2004 – 2006

### **2.2 Technical Experience**

Computer application programs that I use often are :-

- i. AUTO CAD
- ii. Microsoft office (Word, Excel, Power Point)
- iii. ARCGIS
- iv. Project Management

## **3.0 Professional Qualification.**

Holder of Masters in Business Administration from the Jomo Kenyatta University of Agriculture and Technology, Bachelor of Science in Civil Engineering (Hons) from the University of Nairobi and a Diploma in Business Management from the Kenya Institute of Management (KIM). In management I am a corporate member of Kenya Institute of Management (KIM).

I am registered as a professional Engineer by the Engineers` Registration Board of Kenya (ERB) and a corporate member of the Institute of Engineers of Kenya (IEK).

## **4.0 Professional Development Courses/Workshops**

As part of capacity building and personal development I have attended the following courses and workshops.

- i. **Contract Management for Water Engineers.** 21<sup>st</sup> May 2019 to 25<sup>th</sup> May 2019  
Held at Nakuru Sarova Hotel.
- ii. **Introduction to Mediation Course,** 30<sup>th</sup> September 2016. Held at the Fair View Hotel, Nairobi.
- iii. **Introduction to Arbitration and ADR Course,** 25<sup>th</sup> August 2016 to 26<sup>th</sup> August 2016. Held at the Strathmore University, Nairobi.
- iv. **Corporate Governance Course,** 8<sup>th</sup> April 2015 to 10<sup>th</sup> April 2015. Held at the Kenya School of Monetary Studies, Ruaraka.

- v. **Pressure Management in Water Loss Reduction** in Mennheim Germany, November 27<sup>th</sup> to 29<sup>th</sup> November 2012.
- vi. **Strategic Leadership Development Programme (SLDP)** from Kenya School of Government, June 2012.
- vii. **Training of trainers (TOT) in International Benchmarking**, 12<sup>th</sup> March 2012 to 14<sup>th</sup> March 2012. Held at Leipzig GIZ in Berlin Germany.
- viii. **Corporate Governance Course**, 6<sup>th</sup> October 2010 to 9<sup>th</sup> October 2010. Held at the institute of Certified Secretaries of Kenya, Ruaraka.
- ix. **Internal Quality Auditing Course**, 14<sup>th</sup> December 2009 to 16<sup>th</sup> December 2009 at the Kenya Bureau of Standard training centre, Nairobi.
- x. **Environmental Assessment Impact (EIA) and Environmental Audit (EA) Course**, 16<sup>th</sup> November 2009 to 4<sup>th</sup> December 2009 at Kenya Institute of Administration (KIA) at lower Kabete, Nairobi Kenya.
- xi. **Introduction to GIS II**, 10<sup>th</sup> July 2007 to 13<sup>th</sup> July 2007 at ESRI training hall, Nairobi Kenya at ESRI training hall, Nairobi Kenya
- xii. **Introduction to GIS I**, 5<sup>th</sup> March 2007 to 9<sup>th</sup> March 2007 Occupational Health and Safety at work place, 4<sup>th</sup> December 2006 to 7<sup>th</sup> December at the training school of Directorate of Occupational Health and Safety services, Nairobi Kenya.
- xiii. **Effective Customer Care** , 25<sup>th</sup> May 2005 to 27<sup>th</sup> May 2005 at the Kenya Institute of Management Nairobi Kenya.
- xiv. **Training of Trainers (TOT) course in Participatory Hygiene and sanitation Transformation (PHAST)**, 13<sup>th</sup> January 2003 to 24<sup>th</sup> January 2003 at the Belgium Administration Development Corporation training hall at Machakos by Menyeni Development Agency Team.
- xv. **Infrastructure Regulation Course for Private Sector Participation**, 5<sup>th</sup> October 2003 to 12<sup>th</sup> October 2003 at Berlin University of Technology (TU), Germany.
- xvi. **Conflict Resolution at workplace**, June 2002 at British Council training institution in Nairobi Kenya.
- xvii. **Programme Management**, May 2002 at British Council training institution in Nairobi Kenya.
- xviii. Can work using computer application, MS office, Project Management, Auto CADD.
- xix. Have clean Kenyan driving license since 2008.
- xx. Has appropriate on job training and experience organizing workshops and seminars.

## **5.0 WORK HISTORY / EXPERIENCE.**

### **5.1 USAID – KIWASH Water and Sanitation Program.**

June 2018 to Sep 2019 working as the principal resident engineer for the USAID projects in nine counties 7 of which is in western region and 3 in Eastern region. This include the heading a team of 5 Engineers in the regions. The work involves the civil works (water tanks, concrete tanks and steel elevated tanks) pipelines (mainly HDPE). The contract management

of design and implementation works. The management of all site meetings. The compliance of the contracts under the conditions of contract.

**5.2 National Water Corporation and Pipeline Conservation as General Manager Planning and Design.**

January 2016 to date May 2018 worked as the General Manager in-charge of Technical Planning and Design. Management in the process of Finance - Design – Construct project e.g. Bosto Dam Project (18,000,000M<sup>3</sup> Dam capacity and a full water treatment plant with a capacity of 56,000m<sup>3</sup>/day). The other three (3) projects in the similar process Isiolo (214,261,547M<sup>3</sup> Dam capacity and a full water treatment plant with a capacity of 60,000m<sup>3</sup>/day), Pesi (11,284,950M<sup>3</sup> Dam capacity and a full water treatment plant with a capacity of 75,233m<sup>3</sup>/day) and Londiani dam (13,280,000M<sup>3</sup> Dam capacity and a full water treatment plant with a capacity of 48,000m<sup>3</sup>/day).

The position calls for technical planning and design of large and medium size dams in Kenya. The dams I have supervised the design so far are Isiolo Dam which is a rock fill dam with clay core, Londiani which is core clay dam with earth fill material, Upper Narok, Soin – Koru which are clay with rock fill dam and a 1.4km long dam. All these dam have extensive water supply pipeline and a water treatment plant. I have been supervising 67 staff within the department.

Other works include design and supervision of flood control infrastructure Turkana, Kitale – sabwani, Isiolo – Godha, Migori, and Nyando.

**5.2 Nyeri Water and Sewerage Company Ltd as Managing Director.**

From January 2013 to December 2015 I worked also as the Managing Director for Nyeri Water and Sewerage Company Limited. The position calls for the overall policy, Financial and technical planning and implementation of all the company development programs, overall management of water services provision (water and waste water quality), Sewerage services provision, Financial and the administration of the technical staff.

**5.2 Nyeri water and Sewerage Company Ltd as Head of Technical Services Department.**

October 2004 to December 2012 worked as the **Technical Director** i.e. **Head of Technical Services** for the Nyeri Water and Sewerage Company Ltd over the same period. The works include design of extension pipelines, automation of water pumping station, management of the Non-Revenue water to the best in the country by December 2015. The preparation of the financial proposals to Water services Trust Fund and four proposals were successful e.g. extension of water to Mweiga town, Ngangarithi sewer, Nyeri Hill water extension and Kihunyo water extension project.

**5.2 GIZ water and Sewerage Program in South Sudan.**

Contracted by GIZ-DUWSS program to manage the formation of the three county towns water companies in South Sudan. The towns were Yambio, Yei and Torit. The assignment included the training of the board of Director to manage a town water supply. The works included the development of HANDBOOK FOR THE BOARD OF DIRECTORS ON CORPORATE GVERNANCE 2016.

**5.3 Ministry of Water Development as Engineer in Water Sector Reform**

July 2003 to August 2004 worked in the Water Sector Reform Secretariat in the Ministry of Water in Kenya as the Head of Technical implementation of Water Act 2002. This call for

establishment of the key institution established by the Water Act 2002 e.g. Water Services regulator Board, Seven water services board, and institution of regulations Water Services Provider with support by German Development Corporation - GTZ Agency.

#### **5.4 Programme Manager of the Water Users Association Support Programme (WAUSP)**

July 2001 to June 2003 worked as the Programme Manager of the Water Users Association Support Programme (WAUSP) implementing water projects in three districts: Kajiado County, Machakos County and Makueni County. The programme was funded by the Belgium Technical Corporation (BTC) under the Government of Belgium. The specific objective of this programme is to install sustainable management model of water schemes in the programme area. The main activities were:

- i. To creating awareness and sensitization of the Water Users Associations (WUA) to manage their own water schemes in a more efficient and sustainable way.
- ii. Conduct participatory training of the target communities on basic management skills, operation and maintenance, and financial management of their water schemes in the programme area.
- iii. Development of appropriate water management modules in line with private sector involvement perspectives.
- iv. Overall programme financial management as part of the donor co-operation with the recipient country-Kenya.
- v. Programme formulation and preparation of detailed yearly, quarterly and monthly work plans with objectively verifiable indicators and tangible outputs/results.
- vi. Participatory monitoring and evaluation of the programme activities at all levels from the community to the programme sub-offices offices in each district.
- vii. Train communities on improvement hygiene and sanitation using PHAST tools with the aim of reducing cases of water related diseases, and catchments pollution.

#### **5.5 District Water Engineer**

July 1998 to December 1999 worked as:-

- i. **Assistant Resident Engineer**, July 1998 to August 1999 in the construction Lolgorien Water Supply in Transmara District representing Director of Water Development. The project included the construction of the 125m<sup>3</sup>/hr composite filtration unit with a backwash tank and two operators' houses.
- ii. **Resident Engineer**, November 1998 to December 1999 in the construction of St. Joseph Catholic Hospital, Kilgoris Sewerage Project representing Director of Water Development. The project included the construction of the anaerobic ponds, two facultative ponds and one maturation pond for the hospital.

#### **5.6 District Water Engineer in Transmara District of Rift Valley Province within the Ministry of Water**

December 1994 to December 1999 worked as District Water Engineer in Transmara District of Rift Valley Province – Ministry of Water. The major responsibilities entailed of: -

- i. Operation and Maintenance of GoK managed water supply schemes in the District (10 water projects)
- ii. Implementation of water related projects, which included piped schemes, water pans, dams, spring protection, hand-dug wells among others.
- iii. Financial and administrative management including human resources matters.
- iv. Beside these normal duties I was the elected chairperson of **District Water and Sanitation Development Agency** (DWSDA) of Transmara District whose responsibility was to co-ordinate the activities of all NGOs in the District.

#### **5.7 Design Engineer in the Ministry Water Development as Planning and Designs Engineer**

February 1991 to November 1994 worked as a design engineer in the planning and designs of projects in the Ministry of water. Among the major designed done Kikumbulyu (Large community water project in Makueni County), Lologorian water project – Transmara District among others.

#### **6.0 Professional Specialization.**

- i. Participatory identification, planning and formulation of a programme with logframe method.
- ii. Participatory programme management and formulation with verifiable outputs and indicators. This involves training target communities on basic management of water schemes, financial management and participatory project formulation, preparation of work plans, budgets, monitoring and evaluation.
- iii. Planning and design of water projects
  - a. Design of large Dams
  - b. Design of Large water supply projects
  - c. Design of water distribution with pipeline capacity of 900mm to 150mm and below.
  - d. Management of Non-Revenue Water (NRW) for urban and Rural schemes.
  - e. rural water supplies both gravity and pumped schemes to include automation to reduce human errors and technical mistakes to include automation to reduce human errors and technical mistakes.
  - f. urban water supplies both gravity and pumped.
  - g. irrigation projects.
  - h. sanitation projects such as waste Stabilization ponds and septic tanks.
- iv. Supervision of project implementation
  - a. piped water schemes, borehole drilling and equipping
  - b. dams and pans

#### **4 HOBBIES.**

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|------|-----------------|--|
| i.   | Outdoor games:  | Basketball and table tennis.               |
| ii.  | Indoor leisure: | Playing musical instruments like keyboard. |
| iii. | Adventure:      | Mountain climbing and site seeing.         |

#### **5 REFEREES.**

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