

Curriculum Vitae

Name: Mark Rwigi Kibe

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Phone: 0723 335 871

Location: Nairobi, Kenya

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Career Summary

A highly skilled and results-driven Civil Engineer with over ten years of extensive experience in the design and construction supervision of civil and structural engineering projects. Expertise in highway design, railway design, roadway & railway structures, water retaining structures and building structures. Proven ability to manage projects from concept to completion, including contract administration and ensuring compliance with both local and international engineering standards such as Kenya Standards, AASHTO, British Standards, and Eurocodes. Proficient in BIM modeling and 3D design, utilizing industry-leading software such as Revit, Civil 3D, InRoads, Robot Structural Analysis, and ArchiCAD to deliver efficient and innovative engineering solutions.

Professional Certifications

- **Professional Engineer:** Engineers Board of Kenya (A4423)
 - **Corporate Member:** Institution of Engineers of Kenya (M.6122)
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Education

Bachelor of Science in Civil Engineering (Hons.)

University of Nairobi | October 2010 - September 2015

Core Skills

- Structural Design and Analysis
- BIM and 3D Modeling (Revit, Civil 3D, InRoads)
- Project Management and Supervision
- Highway Design

Professional Experience

Runji Consulting Group

Assistant Resident Engineer/Structural Engineer

February 2024 – Present

- Lead design reviews and oversee construction supervision for all structural engineering works for the Water and Sanitation Development Project (WSDP) funded by the World Bank in Taita Taveta County.
- Contract administration for building works construction contracts under the WSDP project including 8 No. Ablution Blocks, Office Block, Warehouse and Laboratory.

APEC Consortium Ltd.

Highway and Structural Engineer

March 2020 – February 2024

- Performed the highway and structural component of the design review and construction supervision for the Mau Mau Road Lot 1A Project, covering 105 km of complex terrain in Kiambu County.
- Oversaw design and integration of geometric design with road structures such as retaining walls, bridges, box culverts and pipe culverts.
- Prepared progress reports.
- Provided mentorship and training to junior engineers and interns in structural design and project management.

Xenocon Consulting Engineers

Structural Engineer

August 2017 – February 2020

- Structural design and construction supervision of high-profile projects, including Crystal Rivers Mall & Apartments in Mavoko, Machakos County in Kenya, Golden Life Mall in Nakuru Town in Kenya and Ruiru Mall in Ruiru Town in Kenya.
- Managed design and construction coordination for mixed-use developments, ensuring compliance with client requirements and structural codes.
- Developed detailed structural drawings, specifications, and structural calculations for malls, residential complexes, and commercial buildings.

APEC Consortium Ltd./Yooshin Engineering Corporation JV

Highway and Structural Engineer

November 2015 – July 2017

- Carried out design review and construction supervision of AfDB funded Upgrading of the Mwatate-Taveta A6 Road in Kenya.
- Provided structural design details for bridges, box culverts, pipe culverts and retaining walls ensuring accurate drafting and seamless site implementation.
- Contributed to project documentation, design optimization, and progress reports, meeting project milestones and timelines.

Inticom Ltd.

Trainee Structural Engineer

June 2015 – November 2015

- Supported the structural design, detailing, and supervision for executive residential and commercial buildings, including the Embu University administration block, Elsie Ridge Apartments, Kenyatta University Education Building and several residential houses.
- Assisted in preparing technical and financial proposals during the bidding process.

Private Consulting Projects

Various Engineering Projects in Structural and Civil Design (2016 - Present)

- **Mumbi Ltd. (2023)** — Design of an 18-km metre gauge railway siding in Gilgil, Nakuru County
- **Futurewise Investments Ltd. (2025)** – Provided project management services for proposed 5 bedroom residential house in Karen, Nairobi.
- **H Young Co. (EA) Ltd. (2023-2024)** — Analyzed and reported on structural implication on proposed modifications on the British High Commission, Nairobi.
- **Etrade Company Ltd. (2024)** — Developed structural and civil tender designs for Kenya Power substations in Kitui, Kwale, and Lodwar, tailored to regional requirements.
- **The Eastern Rift Ltd. (2023-2025)** — Designed structural and civil plans for holiday homes in Ndeiya, Kiambu County in Kenya.
- **Kounkuey Design Initiative (KDI) (2023-2024)** — Structural design for the Urban Fabric Initiative under KISIP (Kenya Informal Settlements Improvement Programme), focusing on community-centric urban development.
- **Residential House (2023-2024)** — Designed the structural framework for a townhouse in Limuru, with emphasis on efficient and sustainable construction practices.
- **Residential Apartments (2023)** — Provided structural design services for 4 storey residential apartments in Syokimau, Machakos County in Kenya.
- **Etrade Company Ltd. (2023)** — Developed structural and civil tender designs for Kenya Power substations, focusing on structural integrity and efficient foundation systems.

- **Kilimanjaro Construction Consulting and Design Company (2022-2023)** — Conducted concept design and cost estimates for the 170-km Wau-Kangi-Aweil Road in South Sudan.
 - **Etrade Company Ltd. (2021)** — Developed structural and civil tender designs for Kenya Power substations at Kabianga, Kiamukama, and Moi's Bridge, covering site-specific foundational needs.
 - **Lean Energy Solutions (2019)** — Executed structural improvements to the Vision Plaza roof structure to support the additional weight of solar panel installations.
 - **Aticas Kenya Ltd Consulting Engineers (2019)** — Delivered structural designs for a three-story apartment complex in Syokimau, Machakos County.
 - **Inticom Ltd. Consulting Engineers (2016 –2017)** — Provided structural design services for A.C.K. Thika church, including a main auditorium, balcony, and three-story office and meeting space.
 - **Inticom Ltd. Consulting Engineers (May 2016)** — Designed and detailed structural components for a four-story residential flat development in Juja, Kiambu County in Kenya
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Technical Proficiency

- **Software:** Revit, Robot Structural Analysis, AutoCAD, Civil 3D, Infracore, Archicad, Prokon, Microsoft Office.
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Community Service

- **All Saints Cathedral Church (2012 - 2018):** Member of the organizing committee for annual youth camps; responsible for communications and public relations.
 - **Transform Nations –Man Enough (2014):** Captain for battalion 9, company 10.
 - **St. John Ambulance (2006 - 2008):** Team doctor for Nairobi School basketball and rugby teams.
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Referees

- **Eng. John K. Kimari** - Resident Engineer, Mau Mau Road Project
Phone: +254 722 343 406 | Email: kjkimari@gmail.com
- **Eng. Barbage Ntabo** - Structural Engineer, APEC Consortium Ltd.
Phone: +254 725 485 976 | Email: barbagentabo@gmail.com
- **Eng. David N. Njoka** - Director, Xenocon Consulting Engineers
Phone: +254 720 805 265 | Email: davidnjoka@gmail.com

UNIVERSITY OF NAIROBI



This is to certify that

Mark Kibe Kwigi

having satisfied the requirements
for the award of the degree of the

**BACHELOR OF SCIENCE
(IN CIVIL ENGINEERING)**

Second Class Honours (Lower Division)

was admitted to the degree
at a Congregation held at
this University on the

Fourth Day of September in the Year
2015

Theresa

VICE-CHANCELLOR

John

DEPUTY VICE-CHANCELLOR (ACADEMIC AFFAIRS)

2171



ENGINEERS BOARD OF KENYA

Engineer's Practicing Licence

Pursuant to section 32 of the Engineers Act, 2011, I hereby certify that

.....
is duly registered as Eng. Mark Rwigy Kibe
.....
in the field of a Professional Engineer
.....
Civil Engineering for the year
.....
2025 and is hereby licenced to practice as such.
Issued this
26th day of March 2025

Issued under the Seal of the Board

Serial No. EBK 2025/A 4423/K 288

Eng. Margaret N. Ogai
Registrar

PLE-13776

EBK/CBA/F/17



ENGINEERS BOARD OF KENYA

Certificate of Continuing Professional Development

Pursuant to Section 32(2) of the Engineers Act, 2011, I hereby certify that

ENG. KIBE, Mark Rwigi, EBK Reg No. A4423

has fulfilled the CPD requirements for the year **2025** and is hereby eligible for

renewal of the Annual Practicing License for the year **2026**

Issued by the Board this **9th** day of **FEBRUARY 2026**

Eng. Margaret N. Ogai, CE
Registrar/Chief Executive Officer



Official Receipt

P.O. Box 30324 - 00100
Fortis Suits, Hospital Road
Nairobi, NAIROBI
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info@ebk.go.ke
www.ebk.go.ke

**ENGINEERS BOARD OF
KENYA**

Received From
Mark Rwigi KIBE PO. BOX P.O. BOX 1323-00502 NAIROBI - P.O. BOX 1323- 00502 NAIROBI

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RCT-25-05119	02/09/26
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PESAFLOW	UB90564Y7R

Description	Amount
Being Payment of Subscription 2026 - SRVREQ71178	10,000.00
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