

COLLINCE ODHIAMBO

Civil Engineer | Web Developer.

A dedicated Civil Engineer, adept at blending technical prowess with strong teamwork and communication, aiming to drive successful project outcomes through innovation and collaboration. Also proficient in Web application development with expertise in Django & Flask for backend development, and front-end technologies- HTML, CSS, JavaScript, Tailwind CSS & Bootstrap.

Contact

Address: P.O BOX 43844-00100,
NAIROBI, KENYA.

Phone: (+254) 70-711-2975

E-mail:
odhiambocollince702@gmail.com

Portfolio Website:
<https://collince-portfolio.onrender.com>

Technical Profile

- Project Management.
- Review of Contract Documents.
- Technical and Performance Audit.
- AutoCAD Civil 3D & ArchiCAD.
- Quantum GIS Software.
- Microsoft Office Suite (MS Word, MS Access, Excel, MS PowerPoint)
- Structural Design software- Prokon, Prota-structure.
- Programming- Python.
- Web Application Development.
- Back-end Development-Django & Flask.
- Front-end Development - HTML, CSS, JavaScript.
- Front-end Libraries- Bootstrap, Tailwind CSS.
- Databases-MySQL & PostgreSQL.

Education

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| 2015-09 -
2021-07 | Bachelor of Science: Civil Engineering
<i>Kenyatta University - Nairobi</i>
Second Class- Upper Division. |
| 2020-01 -
2020-04 | Certificate in Leadership & Career Development.
<i>Kenyatta University - Nairobi</i> |
| 2011-02 -
2014-11 | School KCSE Certificate (A Plain)
<i>Nakuru High School - Nakuru</i> |
| 2002-01 -
2010-11 | School KCPE Certificate (383/500 Marks)
<i>Alwala Primary School - Kisumu</i> |

Personal Strengths and Skills

- Self-starter with a disciplined and goal-oriented approach.
- Effective interpersonal and communication skills.
- Strong teamwork and team management abilities.
- Planning, strategic thinking, and adaptability.
- Highly motivated and results-driven.
- Conflict management and problem-solving capabilities.
- Cross-cultural Skills- Vast experience in working in multicultural settings.

Languages

- English (Full proficiency)
- Kiswahili (Full Proficiency)
- Dholuo (Full Proficiency)
- German (Written & Spoken)

Interests

- Watching Scientific Documentaries.
- Research.
- Coding.
- Hiking

References

- 1. Dr. Eng. Marclus Mwai,**
Director,
Civotech Associates Limited.
P.O BOX 26603-00100,
Jamin Palace,
Off Thika Road.
Tel. No: 0727791922.
Email: mmarclus@yahoo.com
- 2. Dr. Eng. Isaiah Omosah,**
Kenyatta University,
Department of Civil
Engineering.
P.O BOX 43844-00100,
NAIROBI.
Tel. No: 0721571584.
Email: isaiahomosa@yahoo.com

Work History

2022-02 – 2023-03 – **Assistant Technical Auditor.**

Civotech Associates Ltd., NAIROBI

Projects & Specific Tasks:

1. Technical and Performance Audit for Financial Year 2021/22 and FY 2022/23 on behalf of Kenya Roads Board (KRB)

- Attendance of entry and exit meetings at various Kenya Urban Roads Authority's Regional Offices, review of Contract Documents and Project Files.
- Checking for efficient tendering process and the completeness of contract documents.
- Undertaking confirmatory tests on completed road projects to ascertain quality.
- Preparation of Technical Audit Reports and compilation for submission to Kenya Roads Board (KRB) within set timelines.
- Preparation of audit workshop presentation report.

2. Roads Inventory and Condition Survey

- Undertaking country-wide Roads Inventory and Conditions Survey (RICS), incorporating data into KRB Roads GIS database.
- Interacted with GIS software, particularly QGIS for data entry, processing, manipulation, mapping, and analysis of geospatial data.
- Oversaw training of engineering interns on the use of GIS software and instruments.

3. Eng. Winfred Juma,
Materials Engineer and Clergy of
Works,
BENISA Limited Company.
P.O BOX 22885-00400,
NAIROBI.
Tel. No: 0715806334

2021-04 - Construction Assistant Site Supervisor
2021-07

Solma Constructors Ltd., NAIROBI

- Performed Site Supervision of structural steelwork.
- Liaised with the project manager to supervise subcontractors in adherence to set work details.
- Oversaw personnel safety and efforts at the work site.
- Supervised material usage and contractor man-hours to keep projects in line with budgetary restrictions.
- Maintained records and logs of work performed and materials and equipment used
- Collaborated with management and fellow supervisors to organize operations and achieve demanding schedule targets

2019-07 - Civil Engineering Intern

2019-10 *BENISA LIMITED COMPANY, NAIROBI*

Project: Upgrading of Kahawa Sukari Estate Roads to Bitumen Standard.

Tasks:

- Concrete works and Bills of Quantities.
- Performed Survey works (Setting out and leveling).
- Establishing drain invert levels and general drainage works.
- Performed Laboratory Tests on soils and materials.
- Tested characteristics of materials or structures for use in designs.
- Accompanied senior technical staff for on-site inspections during construction, learning how to communicate design requirements with contractors and equipment suppliers.

2018-09 - Civil Engineering Intern

2018-12 *COUNTY GOVERNMENT OF KISUMU, Ministry of Public Works, Transport and Roads, KISUMU*

- Established actual measurement for preparation of measurement sheet and payment certificate.
- Accompanied senior technical staff for on-site inspections during construction, learning how to communicate design requirements with contractors and equipment suppliers.
- Assisted project engineers with grading and roadway

design, stormwater management system design, and erosion and sediment control design.

- Performed construction observation and took soil samples.
- Structural Design using ArchiCAD & AutoCAD

Accomplishments

- Participated in the TRAIL by Vinci Challenge, 2020 Edition (an innovation in sustainable construction), sponsored by Vinci Construction, where my team qualified to participate in the semi-finals among the eight teams selected from Africa.
- Certificate of Attendance of Continuing Professional Development Webinar on Structural Steelwork Design to Eurocode 3 Presented by The Steel Construction Institute and DOSHI Group from 6th Feb- 3rd April 2019.
- Certificates of Participation- Annual National Mathematics Contests at Mangu High School (2012,2013 &2014)
- Certificate of Excellence for best performance in German Subject Form Four, for the academic year 2013-2014, Nakuru High School.