

David Akwuole (R.Eng)

Residential Address: Bankole town, Alatunshe, Lekki-Epe Expressway, Lagos State.

Home Address: Millionaires Quarters, Byazhin-Kubwa Abuja

davidakwuole@aol.com, chikwuole@gmail.com | |+23408102920873

Professional Summary

Experienced Construction Professional and COREN certified Civil Engineer with experience spanning through project management, site coordination, structural design, Environmental and waste management, wastewater treatment and Mastery in Microsoft Project Scheduling. Proficient utilization of construction softwares (AUTOCAD, Prota-Structures, Civil-Soft, RCC Spreadsheet) and engineering tools (QGIS, HEC-RAS) for swift project execution and delivery. Familiarity with diverse construction equipment and adept in effective communication. Adept at overseeing projects, ensuring quality standards, and fostering collaborative teamwork for successful project delivery.

Education

- **University of Cross River State, Calabar Cross River State**

B. Engr Civil Engineering (2nd Class Upper Honors)

- **University of Lagos, Akoka Lagos State**

M.Sc Civil & Environmental Engineering

Professional Skills/Softwares

- Autocad
- Prota-Structures/Orion.
- Civilsoft (Quick Civil Series).
- Tekla Tedds, Tekla Portal Frame Designer, Tekla Connection designer.
- RCD2000
- Staadpro V8i, RCDC
- RUNET steel express, SteelPortalFrameEC3.
- QGIS, EPA-SWMM
- HYQ (transient analysis program)
- Microsoft Project Scheduling/MS-Project, Project Libre.

- Construction Equipment: dumpy level, Venier and digital calipers, other basic equipment, Laser level, Laser Plumb.
- RoadEng for Road/Infrastructure Design (Mid-Level).

Training and Certifications

- Structural Steelwork design training course; Nigerian Institute of Structural Engineers (NISTRUCTE)
- Professional training course on introduction to Bridge design: (NISTRUCTE)
- Introduction to RoadEng Civil for Road Designs: Softree Webinars.
- COREN Registered.

Professional Experience

- **ACD & Associates Ltd (Private Practise) .** **June 2026**
Structural Design/Structural Supervision
 - Provided structural design services for 4 units of 4 bedroom semi-detached duplexes located at Amen Estate, Ibeju Lekki, Lagos.
 - Project structural supervision & pre-concreting inspections.
- **Gloch Stylistic Ltd.** **October 2025**
Project Engineer
 - Project supervision of 12 Storey Atari Towers Residential construction, at Ikoyi, Lagos State; Project scheduling, Project monitoring, supervision, quality control, Pre-& Post construction inspections, Design Reviews.
 - Consultant-contractor engagement, contractor management/coordination, Preparation of Contractors Payment Invoices, contractor and workers conflict resolution.
 - Engagements with Government regulatory bodies (LASPPPA, LASBCA, Inland waterways, waste management, Lagos safety commissions etc.)
 - Obtaining necessary Government Construction permits, inspection notices, LASBCA concreting approvals when due.
 - Preparation of construction progress reports and schedules.
 - Coordinated with Surveyors, Contractors (carpenters, reinforcement fitters, MEP, PT) and all onsite personnels for succesful delivery of each stage of the project.

- **Redbrick Homes Int'l Ltd**

January 2025 - October

Lead Civil/Structural Engineer.

- Responsible for all In-house Structural Designs and Implementation.
- Structural Supervision and Inspections
- Building construction Supervision. (setting out till Finishing)
- Managed several Building projects to completion (Duplexes, semi-detached, etc.)
- Remedial Construction works on failed/abandoned projects.
- Sewage/Waste water treatment unit conceptualization, structural/treatment process design and construction supervision.

- **Redbrick International Limited**

October 2022 – Jan 2025

(Developers of Amen Estate Phase 1,2,3).

Structural Engineer

- Involved in the (In-House) Structural design of Few residential Duplexes using Prota-Structure.
- Drafting of structural drawings for Internal contractors
- Thorough Inspection of All structural elements before casting.
- Monitoring of construction works (Reinforcements works, Formworks, casting etc.) to ensure compliance with Approved drawings, Quality and standards.
- Inspection of recently built (also Previously built) Structures for visible signs of strain and stresses and other collapse signals if any.
- Vetting of structural drawings and Calculation sheets for LASBCA/LASG approval.
- Raft foundation design and detailing.
- Involved with Soil Technicians in carrying out CPT and SPT (Borehole Log) tests for our respective clients, in order to carry out design using the reports from their soil tests.
- Monitoring pile integrity tests and Pile Load tests (Dynamic Test) carried out within the estate.
- Structural Design and construction supervision of Solid Raft/ Rigid Pavement structure for a CNG Powered Plant/Generator station for the estate.
- Structural Design and construction supervision of 2 Bungalow Units for Internal Clients.
- Construction supervision of Steel roofing system, Masonry and reinforced concrete works, fabrication and installation of Low- and High-pressure gas pipes, pressure meters, earthing systems and wire mesh perimeter fence for the CNG powered Plant Station.
- Sole and Co-Supervision (Start to finish) of numerous residential constructions (Bungalows, 2 Storey Duplexes, Semi-detached Housings, Multi-Storey 10 Units of 3 Bedroom Block of Flats) to mention a few.

- **Cleftrock Nigeria Ltd** **October, 2021 – October, 2022**
Site Engineer
 - Monitored the construction of a 3 suspended floor mixed used structure
 - Monitored the execution of construction drawings on site
 - Interpretation of structural drawings: working alongside other supervisors structural/reinforcements and woodwork drawings were executed under my close supervision.
 - Responsible for all levelling operations within the site using the levelling instruments
 - Estimated and quantified materials used for construction (reinforcing rods, blocks)
 - Carried out setting out activities (foundations, block forming etc.)
 - Monitored foundation piling activities
 - Quality control of concrete mixes
- **AJUIN LTD** **July, 2021 – October, 2021**
Supervisor
 - Involved in the site planning of 4 units of 1 bedroom duplex
 - Carried out Pad foundations and block setting out activities for the construction of a suspended floor shopping plaza
 - Carried out similar activities for the residential duplex mentioned in point one above
- **Julius Berger Nigeria Ltd** **October, 2018 – January, 2019**
Internship
 - Worked under Abuja central development (ACD)
 - Monitored the construction of mini flyover bridges, retaining walls and bypass roads within central area, Abuja
- **Urban Shelter Infrastructure Ltd** **2018-2019**
Internship
 - Carried out structural designs for shopping complex in the new Dei-Dei ultra-modern market, Abuja
 - Interpreted and executed structural drawings
 - Monitored the construction of various units of shopping malls, commercial developments within the site
 - Carried out levelling activities using dumpy levelling instruments.

- **Private Practice**

2017

Design/Research Assistant (CAD/Draftsman)

- Worked under ENGR DR. OGAREKPE on the structural design and detailing of residential apartments at Tinapa Calabar.
- Was responsible for the drafting of structural drawings
- Vetting of structural designs and drawings
- Produced digital elevation models and study maps for research projects.

Projects Involvement

Waste water treatment plant development

Client: Amen Estate (Phase 1 & 2), Ibeju Lekki, Lagos state

Project Details: Involved the conceptualization, waste treatment process design, structural design and construction Supervision of 2 units of Surface waste water treatment Plants for phase 1 & 2 of the Estate. The plant consisted of Screen chambers, Lift stations, aeration chambers, secondary sedimentation chambers, sand-bed/activated carbon filtration chambers, among other facilities to ensure that domestic sewage waste generated from the estate can be treated, reused or discharged with an effluent which meets minimum effluent discharge standards for Lagos state.

Role: My role as the lead Civil/structural engineer involves the conceptual design, drafting of the treatment unit both structural and water treatment process design/drawings, construction supervision and project coordination with MEP personnel in terms of utility installations like pipes, pumping machines, aerators among other things to make the treatment unit fully functional.

Residential Development

Client: Amen Estate Limited Location: Ibeju Lekki, Lagos state

Role: Asst. Structural Engineer, Design and Drafting, interpretation and execution of structural drawings which were designed by the Chief Engineer, On Site Structural Q/C. General Supervision and Construction.

Details:

Construction of: Bungalows, Residential Duplexes, Semi-Detached Units, Multi Storey, 3 Bedroom Block of Flats,

Residential/Mix Use development

Client: Satoriz Ventures Limited

Location: Plot 8, Adebisi Oguniyi Crescent, Ikate Lagos

Duration: 2021-2023

Role: Junior Supervisor/Site Engineer

Scope of Project and Methodologies used:

Construction of a 3 suspended floor mixed used structure consisting of terraces, 3 units of 2 bedrooms, 6 units of 1 bed service apartments in each floor.
Framed system of construction with a combination of solid slabs and flat slab built on a piling system of foundation chained with a tie beam.

Dei-Dei Ultra-Modern Market

Client: Urban Shelter Infrastructure Limited

Location: Dei-Dei, Abuja

Duration: August 2018

Scope of Project and Methodologies used:

Construction of duplex, bungalow shops, banks, fire stations, toilets, closed and open stalls, inner road networks. Introduced a pad foundation system with column frames, floor system (combination of ribbed slab and solid slabs) and bricks.

Residential Development

Client: Mallam Yusuf Gaya

Location: Plot 263 Cadastral Zone, Katampe Abuja.

Role: Junior Structural Engineer

Scope of Project and Methodologies used:

Interpretation and execution of structural drawings which were designed by the Chief Engineer. Construction of 5 bedrooms mansion duplex with car park. Foundation (pad and plinth beam, with reinforced solid slab floor system).

Reference

Dr. Nkpa Ogarekpe (R.Eng. PhD)

H.O.D, Civil Engineering Department

University of Cross-River State, Calabar, Nigeria

+2348032651621 nkpaogarekpe@unicross.edu.ng

Engr. Suleiman Shaibu (R.Eng.)

Civil Engineer (Private Practise).

08060563356