



TAIWO ZAKAREEYAH IBRAHIM-BUTALI (GMICE, CPM)

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Marital Status: Married

Sex: Male

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CAREER OBJECTIVE

I am a graduate and experienced engineer, eager to do my best at all times, and have a strong desire to make a substantial and positive impact towards the success of any organization as well as my career growth.

EDUCATION

Dundee College now Dundee and Angus College Scotland (United Kingdom)

- Higher National Diploma (Graded unit B) in Civil Engineering 2012

St Gregory's College

- Senior Secondary School Certificate (SSCE) 2003

The Itana Private School Surulere Lagos

- Primary School leaving Certificate 1997

The Fountain School

Nursery School leaving

1988-1995

OTHER CERTIFICATE AND LICENSE OBTAINED

- Certificate of National Youth Service Corps
- Certificate in Plumbing Technology from Yaba College of Technology (skill acquisition centre)
- Certificate in master plumber all states (Udemy)
- Certificate in QLS Level-5 diploma-in Piping & Instrumentation-Diagram
- Certificate in Health, Safety and Environment levels 1 to 3 with Onshore and Offshore Safety Institute
- Graduate Member Institute of Civil Engineers (ID Membership: 93740919) (ICE UK)
- Certificate in PG Diploma in Piping Design Engineering (Udemy)
- Certificate of International Project Management Professionals (IPMP), license number (IPMP/2013/LOB4733)

- Certificate in Transformation of Nigerian Youth from Pan Atlantic University in conjunction with Mastercard
- Certificate of Security Management anchored by (HABC) High-field Awarding body of Compliance Glasgow Scotland United Kingdom (December 2010)
- Certificate of Occupational Health and Safety with Osh-academy (December 2013)
- Certificate in Helicopter under water escape (HUET) and Survival at sea (SAS)
- Offshore safety permit and Helicopter underwater escape (HUET) and Survival at sea (SAS) license
- Certificate in Basic offshore safety induction training (BOSIET)

PROJECTS PARTICIPATED

- **Project- 3D laser scanning and modelling of the Savannah Energy power plant**
- **Project- 3D laser scanning and modelling of the IPP LPG and CNG generator plant**
- **Project- Full 3D Modelling on point cloud for engineering purposes of the Total Edikan project**
- **Project- Full 3D Modelling on point cloud for engineering purposes of the Total Amenam project**
- **Project- Full 3D Modelling on point cloud for engineering purposes of the Total Obagi FS project**
- **Project- The engineering, procurement, construction, and installation of NLNG train 7 new passengers' shelter and workshop.**
- **Project- Full Rehabilitation and upgrade of the NGC Ogbele Refinery (3D Laser scanning, As-built and Front-end engineering design, field engineering service, construction, and installation).**
- **Project- Full Rehabilitation and upgrade of the NNPC Port Harcourt refinery (3D Laser scanning, As-built and Front-end engineering design, field engineering service, construction, and installation).**
- **Project- 3D Laser scanning and 3D modelling on NLNG Train 2, Train 3, Train 4, and Train 5 platforms.**
- **Project- Senior Cad Engineer (field verification and back drafting) NLNG Asset information management scheme (AIMS).**
- **Project Engineer Physical asset verification of the Manual valve and instruments of the NLNG trains for SAP upgrade.**
- **Project- 3D As-built and Front-end engineering design of NDPC Pipelines flow-line station at Sapele Delta state, Nigeria**
- **Project- Pipe fit Assurance on (fabricated pipes) Exxon Mobil ETIM-LC fabricated pipe spool project.**
- **Project-Pipe fit Assurance on (fabricated pipes) Exxon Mobil Usan piping replacement project.**

- **Project-** Exxon-Mobil OYOT-2A offshore platform gas lift project (3D Laser scanning, As-built and Front-end engineering design).
- **Project** -Exxon Mobil Skim-pile project on MFEM DA, EKU EB, EKU EA, UBIT GG, UBIT GH, ENANG JC, ENANG JE, ENANG JA, UBIT GE, UBIT GB offshore platforms (3D Laser scanning, As-built and Front-end engineering design).
- **Project-**Exxon-Mobil Target drill project on ASASA VA, AWAWA, EDOP QA, OSO-RC, ENANG JC, OYOT 2A, UBIT GB, USARI FC, YOHO YB, EKPE OA offshore platforms.
- **Project-** 3D Laser scanning and as-built design using Aveva E3D for Chevron Abiteye onshore platform.
- **Project-** (Piping/Structural) design on Boubouwe manifold Platform for Shell Nigeria.
- **Project-** (Piping/Structural) design on Elepa manifold Platform for Shell Nigeria.
- **Project-** (Piping/Structural) design on Akabel manifold Platform for Shell Nigeria.
- **Project-** 3D Laser scanning and as-built design using PDMS for Idoho restoration project (Exxon Mobil offshore Platform).
- **Project-** AS Documentation Kwale flare-down project (in conjunction with Amazon Nigeria limited) on Agip Nigeria Gas Plant in Kwale Delta State.
- **Project-** Structural Modeler in Exxon Mobil Pipeline ili project. ■ **Project-** Structural Modeler in Yoho option pipeline project (Exxon-Mobil/Delta-afrik)
- **Project-** EAP replacement 3D AS built design (in conjunction with Delta-afrik Nigeria limited) and Front-end engineering design on some Exxon-Mobil Platforms
- **Project-** 3D Laser scanning and As-built design (Qua Iboe Terminal) Exxon-Mobil platform
- **Project-** Ekpe OP AS built documentation (in conjunction with Delta-afrik Nigeria limited) Exxon-Mobil Platform
- **Project-** 3D Laser scanning and As-built documentation (Qua Iboe Terminal) Exxon-Mobil platform
- **Project-** Etim-lc gas lift project AS built Documentation (in conjunction with Crestech) Exxon-Mobil platform
- **Project-** The construction of 3 units six storey apartments project with DSI Construction Nigeria Limited
- **Project-** Lake Point Towers building project with Monterosa Construction Company

EMPLOYMENT HISTORY AND PROFESSIONAL EXPERIENCE

Company: Fortune Engineering and Energy Limited (October 2021 - Till date)

Designation: Project Engineer (Multi-Disciplinary).

- Co-ordinates the 3D modeling team

- Co-ordinates the drafting team
- Co-ordinates the Civil Design Engineering team
- Co-ordinates the 3D Laser scanning team
- Supervises the general field engineering activities
- Prepare a progress report and presentation to the consortium management.
- Attending meetings and ensuring quality deliverables are presented to the client.

Designation: Project Engineer (NLNG Train 7 new passengers' shelter and workshop)

- Provide a thorough project plan with resources, budgets, schedules, and risk analyses included.
- Assist the project team members with technical help and direction.
- Ensure project goals are met by coordinating with several teams, such as the design, manufacturing, construction, and maintenance teams.
- Make sure the project complies with all rules and quality requirements.
- Make sure that all project documentation is up to date, including change orders, technical specifications, and progress reports.
- Ensure that all parties involved—clients, vendors, and contractors—are kept in good communication.
- Recognize and address any technical concerns and issues that come up during the project.

Designation: Lead 3D Laser Scanning/Senior 3D As-built Design Engineer.

- 3D laser scanning using faro x70 and x150 of the port Harcourt refinery areas.
- Data processing of the scanned port Harcourt refinery using Faro scene, Autodesk recap pro, Autodesk manage.
- Conversion of exported E57 file from Faro scene, recap pro to LFD, using the Aveva point-cloud manager.
- Conversion of exported E57 file from Faro scene, recap pro to IMP, using Leica cyclone.
- Conversion of Leica cyclone model from COE to Mac file that is acceptable by Aveva PDMS and E3D.
- 3D modelling on the converted point cloud using Aveva PDMS and Aveva E3D.
- Generating pipe isometrics, Equipment layout, and general arrangement using Aveva PDMS and Aveva E3D
- Extracting 2D structural detail drawing using Aveva PDMS and Aveva E3D
- Importing all 3D models into Autodesk Navisworks for review and modification.
- Using Autodesk Revit and Autodesk AutoCAD for drafting and modification of the extracted pipe isometrics, Equipment layout, and 2D structural detail drawing
- Creating the Catalogue and Specification for the Port Harcourt refinery project on Aveva admin and

Paragon

- Prepare schedule, scope of work, and duties for the 3D laser scanning and 3D modelling team members.
- Preparing daily activities reports on 3D modelling and 3D laser scanning activities.
- To anchor weekly meetings with the 3D laser scanning, 3D modelling, and management team.
- As-built drafting of P&ID information sketched from site by the piping & process team
- Designed a detailed 3D model of a cooling tower for PHRC Refinery Area 5 using Autodesk Plant 3D, including structural, mechanical, and piping systems.
- Utilized Faro Point-sense to convert point cloud data from laser scans into accurate as-built models.
- Conducted clash detection and ensured design integration with existing infrastructure.
- Collaborated with multidisciplinary teams to meet safety, regulatory, and operational requirements.
- Prepared visual presentations and reports for stakeholders to support decision-making.
- Ensured adherence to industry standards (ASME, API) and refinery guidelines.

Company: Seflam SGL Limited (July 2018 – October 2021)

Designation: Project Engineer– Asset Verification (Manual Valves & Instruments) NLNG plant project

- Conducted comprehensive physical verification of manual valves and instrumentation systems.
- Reviewed technical documentation (P&ID, datasheets) and verified asset register accuracy.
- Performed functional testing, calibration, pressure, and leak testing on valves and instruments.
- Documented findings, identified non-conformities, and recommended corrective actions.
- Collaborated with maintenance and operations teams to ensure compliance with safety standards.
- Generated detailed reports and ensured timely resolution of identified issues.

Designation: Senior 3D As-built/Design Engineer.

- The use of Tekla Structures software for structural design models and fabrication
- Pipe-fit assurance/dimensional control on fabricated spool in a fabrication shop and field installation. Analyzing and preparing reports for the fabricated spool.
- Data analyst, laser and also unifying and registering the scanned data.
- Conversion of Leica Cyclone point cloud to LFM server LFD format
- Conversion of Leica Cyclone model to PDMS using MicroStation and VM station
- 3D As-built modeling using Aveva E3D from point cloud to deliverable
- Isometric design of pipework, and structural members with the use of Auto-CAD 2D and 3D,
- Front-end engineering design and As-built of onshore and offshore platforms

- Inspection and supervision of the designed onshore and offshore platforms
- Carrying out Civil and earthworks duties

Company: International Energy Service Limited (December 2017-June 2018) (Contract).

Designation: Lead 3D Laser Scanning /As-built Design Engineer

- Data analyst, laser and also unifying and registering the scanned data.
- Conversion of Leica Cyclone point cloud to LFM server LFD format
- 3D As-built modeling using Aveva E3D from point cloud to deliverable
- Isometric design of pipework, and structural members with the use of Auto-CAD 2D and 3D,

Company: Epic Atlantic (July 2017-November 2017)

Designation: Civil/Structural Engineer

- Front-end engineering design and As-built of onshore and offshore platforms
- Inspection and supervision of the designed onshore and offshore platforms
- Carrying out Civil and earthworks duties

Company: Gmunu Nigeria Limited (March 2015-June 2017),

Designation: 3D Laser Scanning /Structural Design Engineer

- Oil and gas onshore and offshore platforms and As-built design using Cyclone and PDMS.
- Data analyst of all information stored in the laser and also unifying and registering the data.
- Isometric design of pipework, and structural members with the use of Auto-CAD 2D and 3D,
- Ex-planting of pipes that are designed with PDMS with the use of Micro station
- Design of Equipment such as pig receiver and launcher, separators, and storage tanks with the use of PDMS and 3D Auto-CAD

Company name: DSI Construction Limited (March 2013-February 2015),

Designation: Site Engineer

- To oversee certain aspects of construction projects.
- To supervise building activities.
- To carry out site planning and surveying.
- To ensure that technical designs and drawings are accurate and that they are being followed properly.
- To oversee all tasks at the site.

Company name: Monterosa Construction Nigeria Limited (A subsidiary of DE-Simone Group of Company)

(November 2012-March 2013),

Designation: Project Engineer

- Supervision and site inspection of workers on site
- Ensuring that proper measurements are taken and concrete reinforced is adequate
- Ensuring proper form-work setup and placement of steel reinforcement based on the requirement
- Ensure construction plans meet guidelines and specifications of building codes and other regulations
- Provide technical guidance to team members

Company name: Aritshe Ventures Limited (September 2006- April 2007),

Designation: Assistant site foreman

- Monitoring and controlling of workers on-site to ensure proper work done
- Translation of design plan of buildings and ensuring that it is adhered to always
- To listen to workers' complaints proffer solutions and escalate to management when beyond my capacity.

SPECIAL SKILLS

- Proficient in the Use of Microsoft Office and Ms. Project.
- Proficient in the use of Aveva E3D 1.10, 2.10 version & PDMS (Plant Design Management System).
- Proficient in the Use of Auto-CAD (2D & 3D) and Civil 3D.
- Proficient in the use of Tekla Structure 20.0 and Tekla Structural Designer version and CSC Orion software.
- Proficient in the use of Leica Cyclone, TruView, Lfm netview, Lfm server, Autodesk Navisworks, Z+F Laser control, Faro scene, Faro point-sense, Autodesk Recap Pro, Autodesk viewer, Trimble real works, Leica Register 360, Leica 3DR.
- Proficient in the use of Micro-station V8 and Auto-desk Revit, Autodesk Plant 3D, Autodesk screencast.

REFERENCES

Michael Aimakhu

Senior Piping Engineer

Sterling Oil and Gas Limited

205 Abiola Segun Ajayi St, Eti-Osa 106104, Lagos

08039336123

Adeolu Adeniran

Senior Cad Engineer

Broadview Engineering Limited

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