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Ogbamudu Michael

Senior Mechanical / Piping Designer

Years of Experience: **9 Years**
Current Location: **Lagos, Nigeria**
State of Origin: **Edo State**
LGA: **Etsako Central**
Civil Status: **Single**
Date of Birth: **March 8th 1984.**

CAREER SUMMARY:

A professional Mechanical/Piping Designer with over 9 years extensive experiences across oil and gas sector. My expertise is not limited to Mechanical piping design, E3D/PDMS modelling, AutoCAD Plant 3D, AutoCAD design, Technical documentation and report preparation.

I have successfully executed onshore and offshore projects in various stages including Conceptual studies, Feasibility studies, FEED, Detailed design of various oil and gas facilities including gas processing facilities, LPG facilities, pump stations, petroleum storage terminals, product reception facilities, pigging facilities, metering facilities.

My expertise is not limited to Equipment (Vessels, Tanks, Pig Traps etc) general arrangement drawings, Equipment Layout drawing, piping general arrangement drawings, Sections and details, Fabrication drawing, Piping Isometric drawings, 3D Equipment & Piping modelling using AutoCAD Plant 3D, PDMS/E3D, preparation of material List / material Take off (MTO).

I have experience working for clients including ExxonMobil, Shell (SPDC), Chevron, Total, NPDC, NGC, Ghana National Gas Company, Nigerian National Petroleum Corporation (NNPC).

WORKING EXPERIENCE:

- ✓ Mechanical/Piping Designer in several Projects over the years, involving in different Mechanical, Piping drawings including Equipment (Vessels, Tanks, Pig Traps etc) general arrangement drawings, Equipment Layout drawing, piping general arrangement drawings, Sections and details, Fabrication drawings, Piping Isometric drawings, 3D Equipment & Piping modelling using AutoCAD Plant 3D, PDMS/E3D, preparation of material List / take off, Structural, Process, building drawing and others.
- ✓ Mechanical Piping Designer, with ability to generate drawing using information from P&ID, Calculation report as well as the relevant Code and standards for project. Good knowledge of detail engineering drawings, Fabrication details drawing with quality and timely delivery.
- ✓ Mechanical/Piping Designer involving in the modelling of Equipment, Piping routing and Structural work using AutoCAD Plant 3D, PDMS / E3D.
- ✓ Mechanical/Piping Designer involving in several building projects both residential buildings and commercial buildings participating in not limited to Plumbing system

design, Preparation of Bill of material (BOQ), HVAC design, Installation supervision, Project progress reporting, Procurement activities, Preparation of As built drawings, as well as maintenance activities.

- ✓ CAD Engineer / Instructor: Well experienced in guiding and tutoring Trainee CAD Engineers/Designer in the use of different software like Auto CAD, PDMS, AutoCAD Plant Excel and other (ATS Engineering Training Centre PH, DFQ Standard Limited PH)

CORE SOFTWARES: Including but not limited to be the below:

- ✓ AutoCAD
- ✓ AutoCAD Plant 3D
- ✓ NAVIS-Works
- ✓ PDMS / E3D (Plant Design Management System).
- ✓ CEASER 11 (Pipe Stress Analysis) (Trainee)
- ✓ PV Elite
- ✓ Microsoft Office
- ✓ Microsoft Project
- ✓ I am equally, familiar with international standards and codes relevant to the execution of projects: ASME B31.3, B31.4, B31.8, B16.5, API 5L, etc

EDUCATION QUALIFICATIONS AND PROFESSIONAL ASSOCIATION

- ✓ B. Eng. Mechanical Engineering University of Port Harcourt,
Grade: (Second Class Upper). (2015)
- ✓ Higher National Diploma, Mechanical Engineering Auchi Polytechnic,
Grade: Distinction. (2007)
- ✓ SSCE, Science Ogbona Secondary School, Ogbona. Edo State.
Senior secondary school Certificate (SSCE). (2000)

PROFESSIONAL CERTIFICATIONS / TRAININGS

- ✓ Engineering Institute of Technology (EIT), Australian
Fundamentals of Process Plant Layout and Piping Design. (2021)
- ✓ Leaps and Bounds / ILF Consulting Engineers, Nigeria
Emotional Intelligence at workplace. Certificate of Completion. (2021)
- ✓ IEL / Sirpi Alusteel Construction.
Adamac Group of Companies, Port Harcourt
Piping Engineering Design and Piping Layout & Drafting (2011)
- ✓ IEL / Sirpi Alusteel Construction.
Adamac Group of Companies, Port Harcourt
Internal Auditor (Engineering) Company Certified (2011)
- ✓ Sea Survival Training for Offshore and Ship. (STCW 95)
Charkin Maritime Safety Centre, Port Harcourt, Rivers State (2010)

- ✓ PDMS Training
Askab Technology, Port Harcourt, Rivers State (2009)
- ✓ Safeguard Resources and Technologies Limited.
Basic HSE Certificates.
Complete Training on Basic Health, Safety, and Environment (HSE).
Intensive Training on Fire protection, Prevention and Fire Fighting.
Basic First AID Training. (2008)
- ✓ **AUTOCAD 2D &3D Training**
Multan ICT Training Centre, Auchu Edo State, Nigeria. (2005)

MEMBERSHIP IN PROFESSIONAL BODIES

- ✓ **ASME:** America Society of Mechanical Engineer (000103709223)
- ✓ **COREN:** Council for the Regulation of Engineering in Nigeria (R 65231)
- ✓ **NSE:** Nigeria Society of Engineer
- ✓ **NIMechE:** Nigerian Institution of Mechanical Engineers,(O02766)

WORKING EXPERIENCE / PROJECTS:

ILF CONSULTING ENGINEERS:

(2018 – PRESENT)

Job Title: Senior Mechanical / Piping Design Engineer

- ✓ **Client: Shell (SPDC) / Alcon Nigeria Ltd**
Project: Soku Nag Compression (SNC-2) Project (DED)
Position: Senior Mechanical / Piping Designer
- ✓ **Client: SEFLAM SGL / Nigeria Gas Company Limited.**
Project: Rehabilitation / Upgrade of Sapele Metering Station (DED)
Position: Senior Mechanical / Piping Design Engineer.
- ✓ **Client: Ghana National Gas Company, Ghana, Amandi Limited, Ghana**
Project: Karpowership Gas Supply Pipeline Project, Ghana, Nigeria (DED)
Position: Senior Mechanical / Piping Design Engineer.
- ✓ **Client: Mobil Producing Nigeria Unlimited, Nigeria**
Project: Pigging Facilities Upgrade Project - Phase 7, (PFUP) (DED),
Position: Senior Mechanical / Piping Designer
- ✓ **Client: FIRST E & P / Aquaterra Energy Limited, United Kingdom**
Project: Development of Crude Assets in OMLs 83 and 85; First E&P Engineering
Position: Senior CAD Engineer
- ✓ **Client: NGC Nigerian Gas Company Ltd., Nigeria**
Project: FEED for Rehabilitation / Upgrade of Ajaokuta Metering Station,
Position: Senior Mechanical / Piping Designer
- ✓ **Client: ASIKO Energy, Nigeria, Lysium Properties Limited, Nigeria**
Project: LPG Terminal and Pipeline Development Project; FEED,
Position: Senior Mechanical / Piping Designer

JC KENZ / IGPES GAS & POWER:

Job Title: Senior Mechanical Design Engineer

- ✓ **Client:** Nigerian Petroleum Development Company Ltd (NPDC)
- ✓ **Project:** Engineering, Procurement, Construction and Installation (EPCI) Of Oil & Gas Processing Facilities at Abura, OML 65
- ✓ **Responsibilities:**
- ✓ Produced Mechanical general arrangement drawing for different pressure vessels (Separators, Knockout Drums, Scrubbers, Gas Boot, Nutshell filter, Closed drain Sump, Fuel Gas Filter, Diesel day Tanks, Storage tanks etc) using AutoCAD
- ✓ Production of Equipment Layout drawing, piping general arrangement drawing, Sections and details, Fabrication drawing, pipe support location plan, Piping Isometric drawings,
- ✓ Preparation of material List or material take off (MTO).

RUED ENVIROMENTAL SYSTEMS LIMITED.

(2016 – 2018)

Job Title: Project Engineer / Mechanical Piping Designer

- ✓ **Client:** Total E & P Nigeria Limited
Projects: Field Operations Support Services
Position: Project Engineer / Design Engineer
- ✓ **Client:** RuhSteel Engineering Limited
Projects: Design and Fabrication of Above ground Vessels and Tanks
Position: Senior Mechanical / Piping Design Engineer
- ✓ Performed Engineering Design,
- ✓ Mechanical Drawings, Piping, and Structural Drawings.
- ✓ Production of Fabrication drawings of the above ground vessels and tanks.
- ✓ Fabrication Piping drawings (piping spools) and MTO preparation.
- ✓ **Client:** Total Nigeria Limited (Deep Water)
Projects: Design and Fabrication of 10 Number of Waste and Mud Skip
Design and Fabrication of 8 Feet Lifting Lug Container.
Position: Mechanical / Piping Design Engineer
- ✓ **Client:** RuhSteel Engineering Limited
Projects: Design and Fabrication of 10 skids and 4 units of Diesel day tanks
Position: Mechanical / Piping Design Engineer

ZETA TECHNOLOGIES LIMITED

(2014– 2015)

Job Title: Mechanical / Piping Designer / Engineer (CAD & PDMS)

Client: Nigerian Petroleum Development Company Ltd (NPDC)

Projects: Oredo EPF Production Enhancement Project. Feed and Detail Engineering Design.

Position: Mechanical / Piping Designer (CAD/PDMS)

Responsibilities on the project include :

- ✓ Preparing Process flow Drawings and Preparing Piping and Instrumentation Drawings
- ✓ Preparing Equipment Layout, Piping GA, Pipe support location plan, Escape route, etc.
- ✓ Medalling Equipment (Test Separators, Filter Separator, Fire water Tank, Pumps etc.) and finalizing the nozzles orientations.
- ✓ Responsible for Pipe routing using PDMS
- ✓ Modelling Pipe Racks and Slippers and other pipe supports

IEL / SIRPI-ALUSTEEL CONSTRUCTION COMPANY

(2011 – 2014)

Position: Mechanical / Piping Design Engineer

- ✓ **Client: Mobil Producing Nigeria Unlimited, Nigeria**
Projects: Revamp: EPC4B- Iyake & Isobo Platform
Position: Mechanical / Piping Designer (CAD/PDMS)
Responsibilities on the project include :
 - ✓ Preparing Process flow Drawings (PFD) and Piping and Instrumentation Drawings (P&ID)
 - ✓ Preparing Equipment Layout, Piping GA, Pipe support location plan,

TOPZONE ENERGY SERVICES LIMITED,

(2010 – 2011)

Job Title: Mechanical / Piping Designer

- ✓ **Client: Total E & P Nigeria Limited**
Projects: Engineering Support Services for Asbury LTD for Total Ameanan Project.
- ✓ **Client: Total E & P Nigeria Limited**
Projects: Engineering support for Bond & Stone Ltd, for NLNG GRP piping layout for water injection system at NLNG Bonny.

Position: Engineering Design, Mechanical, Piping, and Structural Drawings

- ✓ **Client: Piperox Services Limited**
Projects: Design and Fabrication of Storage Vessels and Utility Tanks
Position: Mechanical / Piping Designer (CAD)
Performed Engineering Design, Mechanical, Piping, and Structural Drawings
Involved in Production of Fabrication drawings of the above ground vessels and tanks also Fabrication Piping drawings (piping spools) and MTO preparation.

VEARENA VENTURES LIMITED

(2009 – 2010)

Job Title: Mechanical Engineer (Graduate Trainee)

Responsibilities:

- ✓ Responsible for preparing Mechanical, Piping, and Structural drawings using AutoCAD for different project.

GOVERNMENT TECHNICAL COLLEGE, ELE-OGU, OGU/BOLO LGA, RIVERS STATE. NATIONAL YOUTH SERVICES CORPS (NYSC).

(2008 - 2009)

Responsibilities:

- ✓ Responsibilities: Technical/Building Drawing instructor.
- ✓ Motivational Talk on Youth Empowerment and Career Development

SETRACO NIGERIA LIMITED.

(2005)

Position: Mechanical Engineer (Industrial Trainee)

(Maintenance Department) One Year Industrial Training

Responsibilities: Maintenance, of heavy-Duty Machines, Generators and daily activities report preparation.

AWARDS: Best graduating Mechanical Engineering Student (B.Eng.)

(2015)

Best graduating Mechanical Engineering Student (ND/HND).

(2007)

INTEREST / HOBBIES: Exploring Engineering, Drafting and Modelling activities, Reading Motivational Books, Research, and making Friends.

RROJECTS:

- ✓ Design and Fabrication of a Work out Cycle for Power Generation
(B. Eng. Final Year Project)
- ✓ Design and Fabrication of Milling Machine (Final Year Project)

REFEREES: Available on request.