

Nasir Nana Aisha

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LOCATION: Lagos

CAREER SUMMARY

Motivated and detail oriented Chemical Engineer with hands-on experience in oil & gas process engineering, subsea pipeline projects, reservoir optimization, and quality assurance. Skilled in process simulations (Caesar II, Mathcad), debottlenecking studies, and pipeline design, with a strong background in safety management, project execution, and technical support. Proven ability to collaborate with multidisciplinary teams to optimize production operations and ensure compliance with industry standards (ASME, API, ISO, ASTM, DNVGL). Seeking to contribute technical support as a Process Engineer.

EDUCATION

Institution: Federal University of Technology Minna, Niger State.

Qualification: Bachelor in Engineering (B.ENG.)

Course: Chemical Engineering - 2016

CORE SKILLS.

- Process & Flow Assurance Simulation (Caesar II, Mathcad)
 - Pipeline Design & Integrity Management
 - Oil & Gas Process Optimization (Upstream & Downstream)
 - Safety Standards (HAZOP, ISO, API, ASME)
 - Data Analysis & Reporting (Power BI, SQL, Excel)
 - Project Engineering & Technical Documentation
 - Reservoir Optimization & Laboratory Quality Control
 - Strong Communication & Team Collaboration
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SOFTWARE /HARDWARE PROFICIENCY

- Microsoft Office Suite: Highly proficient in Microsoft Office Suite.
 - Power BI
 - SQL
 - Caesar 2 software: Highly proficient in Caesar 2 software.
 - Mathcad software: Highly proficient in Mathcad software.
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CODES & STANDARDS CONVERSANT WITH

- ASME Codes
- API Spec.
- ASTM Codes
- ISO Codes
- Met-Ocean Data
- DNVGL – RP

PROFESSIONAL EXPERIENCE

Subsea Pipeline & Project Engineer Trainee

ExxonMobil/Global Ocean Engineers 2023 - 2024

- Supported offshore and onshore pipeline design, installation, and layout analysis.
- Conducted pipeline specification design and stability analysis using Caesar II & Mathcad.
- Prepared technical documentation including wall thickness calculations, cost estimates, and MTOs.
- Assisted in maintenance and integrity assessments for pipeline corrosion, burst, and buckle resistance.
- Carried out what-if scenario evaluations for process engineering and system optimization.
- Conducted pipeline process simulations and what-if scenario analyses to identify system constraints and propose debottlenecking solutions.
- Supported optimization of pipeline layouts and equipment specifications, improving system reliability and flow efficiency

Project Engineer

Jaiz Charity and Development Foundation 2021 - 2023

- Led project implementation, ensuring compliance with budget and timelines.
- Prepared project reports, stakeholder presentations, and documentation.
- Conducted data analysis for project performance and expenditures.
- Collaborated with cross-functional teams to analyse workflows and recommend improvements.

Customer Service Representative & Data Analyst

Federal Inland Revenue Service (FIRS) 2017-2018

- Conducted data collection and spreadsheet analysis for tax evaluation.
- Maintained company records and supported digital transformation.
- Built strong client relationships, handling inquiries and ensuring issue resolution

Reservoir Engineer & Lab Technologist Intern

Nigerian National Petroleum Corporation (NNPC) 2015 - 2016

- Conducted quality control tests on petroleum products and reservoir samples.
- Performed reservoir optimization analysis and daily production reporting.
- Used laboratory tools (spectrophotometer, gas chromatograph, viscometer) for product evaluation.
- Ensured compliance with safety protocols and QA/QC standards.
- Performed reservoir optimization studies to enhance upstream production rates while minimizing operational bottlenecks.
- Assisted in laboratory testing and analysis to identify process gaps and debottlenecking opportunities in downstream operations.

PROJECT-BASED EXPERIENCE

- **YOHO FSO Pipeline Replacement Project (ExxonMobil, 2023)** - Supported engineering design for 18 km subsea crude export line.
- **AFANG-B-00/419 Pipeline Project (ExxonMobil, 2023)** - Contributed to engineering documentation for a 12-inch crude export pipeline.
- **SULH Project (Jaiz Foundation 2022)** - Contributed to alternative dispute resolution, peace keeping, and

environmental sustainability

- **Reservoir Optimization Study (NNPC, 2016)** - Conducted lab analysis for improved upstream production efficiency.

CERTIFICATIONS AND TRAINING

- Subsea Engineering - Global Oceaon Engineers
- Caesar II Pipeline Design Certification - Hexagon
- Quality, Health, Safety, Environment & Sustainability - QHSES Academy
- Environment & Safety Management Certification
- Microsoft Office Specialist & Data Analytics - Hypertech Certified
- Professional certification on Data analytics - Techlytics Institute
- Project Management & Effective Teamwork - Jaiz Foundation
- Industrial training on Laboratory unit of operation and Reservoir optimization - NNPC
- Entrepreneurship, time management, stress management, leadership & effective communication certification - Aquarian Consult
- NYSC, NSE, NSCHE.

