

NOEL U. ABDULLAH I

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EXPERIENCE

Issachar Concepts International, Houston Texas, 03/2021 - Present

Lead Consultant

- Lead a team of Earth Scientists, Data Scientists, Machine Learning experts, and GIS specialists in building readily implementable Wellsite services using AI solutions for the oil and gas industry.
- Responsible for product management, scientific modelling, model deployment, and change management.
- Work closely with the senior management in understanding the oil and gas industry concerns specifically relating to drilling and geological data gathering for deep water and land geological drilling projects.
- The role involves defining the AI problem using Wellsite Geology domain expertise, sourcing appropriate data for the project, model training, and assessing if the model is precise and accurate.
- Provide an automated system for the quality control of mud log data and use machine learning to gain more insight into this data that has the potential to add more value than just using the data to make operational decisions at the wellsite.
- Developed four oil and gas solutions that will increase well planning efficiency by 20% and reduce fault interpretation by 80%. The program will help the oil and gas industry to manage a digital ecosystem that delivers safe, efficient, and continuous sustainable wellsite operations in a cost-effective way.

Chevron Corporation

08/2001 - 09/2021

Stress & Wellbore Stability Modeler, 09/2019 - 09/2021

Offshore/Deepwater Wellsite Geologist Lead, 10/2013 - 09/2019

Wellsite Geologist/Log Analyst (Consultant), 08/2001 - 09/2013

- Domain Expert and Key Participant in Shale Picking Automation using Machine Learning.
- Provided Leadership and supervision to a team of 10 Wellsite Geologists on 2 rigs.
- Had oversight of all 5 Wellsite Geology service contracts with a portfolio of ~ \$50M.
- Provided technical support and inputs for all wells (Pre & Post drilling engagements).
- Led a team of technical professionals including Mudloggers, Pore pressure engineers, MWD / LWD engineers, Geomechanics experts, Coring engineers, and Biostratigraphers towards achieving Well Objectives. This enabled the G&G team in reducing Geologic Non-Productive valued at \$24MM in the Chevron / N.N.P.C. project CHEETAH drilling campaigns.
- Key participant on the DS4 Deepwater rig inspection at Tenerife-Spain to ensure that all G&G requirements are within limits which led to a quicker cycle time between catching and analysis of cuttings leading to a cost avoidance of over \$300,000 conservatively.

EDUCATION AND CERTIFICATIONS

Mini MBA, Takedia Institute, Boston, MA, 2022

Competing in the Age of AI, Executive Business Course, Harvard Business School, Boston, MA, 2021

Msc Geophysics, University Lagos, Lagos, Nigeria, 2012

Bsc Geology, Ahmadu Bello University, Zaria, Nigeria, 2002

PROFESSIONAL MEMBERSHIPS

Council of Mining Engineers & Geoscientists of Nigeria (COMEG)
Nigerian Mining & Geoscience Society (NMGS)
Society of Petrophysicists & Well Log Analysis (SPWLA)
Society of Petroleum Engineers (SPE)
Nigerian Association of Petroleum Explorationists (NAPE)

ADVANCED COURSEWORK/TECHNICAL SKILLS

Chevron Data Science Development Program	Gravitas
Chevron Digital Translator Program	Schlumberger Prosource
Accelium Professional Certification	File-Marker Pro
AUSO Leadership Academy	Advanced Use of Microsoft Excel
Python Programming	Techlog
Rapid Miner	Power BI
Wellsite Geology Training	Rapid miner
Wellbore Stability & Geomechanics	Drill Works Predict
Prosource Administrator Training	SQL
Geolog Software	Tableau
Mastergeo	Drilling Practices

PUBLICATIONS

- [1. Formation Related Drilling Difficulty and Possible Ways to Improve Drilling Performance...Presented at the 2019 NAPE Conference](#)
- [2. Coring Unconsolidated Formations under Challenging Drilling Conditions – A Case Study, Swamp- Niger Delta \(Presented at the 2018 SPE Conference\)](#)

DATA SCIENCE AND ANALYTICS PORTFOLIO

1. Tableau Visualization of the U.S Census Data sets

<https://drive.google.com/file/d/1wL2hCKcOIk9TRTtCjVm9EM1MfwYq6YaA/view>

2. Deforestation Exploration project using SQL

<https://drive.google.com/file/d/1Bm3FESz1eAjNyJ7xUikAmUqVSn8ociKg/view>

3. Built Financial And Sales Model Forecast With Excel Using NYSE Kaggle Data Sets

<https://drive.google.com/file/d/1lwVWNN9Tf7mDmhhZZpkOx2OJgLiQq3Um/view>

4. Building Readily Implementable Digital Solutions (RIDS) for the Oil and Gas Industry in the Nigerian economy using Artificial intelligence.

<https://drive.google.com/file/d/1KZAJl1gE9PjopTqokSTt5USDcCf1Gq22/view>

5. Machine Learning project portfolio for Oil and Gas

https://drive.google.com/file/d/1OuRVXu0xnDEqrGnwGEMoltKZ5HilEhBD/view?usp=share_link

