OPEN TO OPPORTUNITIES · PORT HARCOURT / LAGOS / REMOTE

Emmanuel Adarighofua

ICT & Infrastructure Supervisor · Oil & Gas Assets & JVs · Power Platform & App Builder

- WAN, satellite & offshore comm

12+ years keeping Nigeria's oil & gas assets running — OML 11 (NNPC E&P / WAGL JV), OML 42 (Jones Creek & Odidi) and ExxonMobil's EMG–Seplat JV platform (Bonny River, YOHO, Ekpe). I automate operations on the Microsoft Power Platform and build production apps that digitize JV workflows.

+234 816 547 1453 · adarighofuaemmanuel@gmail.com · Port Harcourt, Rivers State, Nigeria

12+ Years oil & gas ICT	**5,000+** Machines migrated
35,000 BOPD supported	**2** Live production apps

Skip to content

RKED

Assets & JV Experience

Field ICT across joint-venture assets — from offshore production facilities and gas terminals to flow stations and rigs.

OML 11

NNPC E&P / WAGL JV

Power Platform automation (Automate / Apps / SharePoint); built OML11 AssetHub & Process Safety Tracker — live in production; remote LiFePO4 power monitoring; rig-move IT support

Arahas · SGIR Rigs

Sahara Group

Multi-site ICT support; rig moves — IT de/recommissioning

EMG–Seplat JV platform

ExxonMobil (via DAGBS)

5,000+ machine migration with L1/L2 support — zero downtime, zero user complaints

Bonny River Terminal (BRT)

ExxonMobil

System migration, integration & training — no operational interruptions

YOHO FSO / YOHO YP

ExxonMobil offshore

Vessel & production facility migrations — crude storage & offloading uninterrupted

Ekpe Offshore Facilities

ExxonMobil

Migration & training — continuous production operations

Skip to content

OML 42 FTSA

Amaranta Oil & Gas

35,000 BOPD support at Jones Creek & Odidi flow stations; Starlink, 3G→4G, CCTV & access control

PROFILE

How I work

I supervise ICT for the **WAGL OML 11 JV** under ND Engineering (Sahara Group), with dual support covering **Arahas and SGIR Rigs**. My day runs on the Microsoft Power Platform — Power Automate flows, Power Apps and SharePoint for JV workflows and reporting — alongside wide-area point-to-point WAN administration and remote LiFePO4 inverter monitoring with live cell/load/grid telemetry. When rigs move, I handle the IT decommissioning and recommissioning that keeps them productive at the new site.

The through-line of my career is making operations run on solid technology: **5,000+ machines** migrated to the EMG–Seplat JV platform with zero downtime, **35,000 BOPD** of production supported at OML 42, Starlink and 4G networks deployed across field locations, CCTV & biometric access control, and dependable backup power. Alongside the field work I build software — **OML11 AssetHub** and the **OML 11 Process Safety Tracker** are live production apps used in the JV, developed with AI-agent tooling that lets one engineer deliver like a small team.

I work where the assets are — offshore vessels, gas terminals, flow stations and rigs (BOSIET-certified) — and I document everything: audit trails, timelines and reports that give JV partners confidence.

CAPABILITIES

What I Do

Six areas I own end-to-end, from field hardware to production software.

Skip to content

Power Platform & O365 Automation

Power Automate flows, Power Apps and SharePoint for JV workflows — digital forms, approvals, reporting and document management replacing paper and spreadsheets. My daily driver at OML 11.

ICT Infrastructure & Operations

Day-to-day supervision of servers, endpoints, backup & disaster recovery, incident response and IT change management — measured by availability, not activity.

Networks & Field Communications

WAN point-to-point links, LAN & fibre, GSM/4G/satellite, Hytera & Motorola radios, VoIP/Tetra — designed, installed and kept alive onshore and offshore.

Migrations & IT Onboarding

Large-scale machine migrations and site IT decommissioning/recommissioning — 5,000+ machines to the EMG–Seplat JV platform across offices, terminals and offshore facilities.

Remote Monitoring & Site Power

LiFePO4/inverter telemetry — cell voltages, load and grid status — with remote load switching, plus solar-battery backup strategies that keep remote sites up.

Software Delivery with AI Agents

Production web apps built solo with AI-agent development tooling: Next.js, React, PostgreSQL, Microsoft Graph — shipped to Vercel with uptime monitoring.

TOOLBOX

Skip to content

From flow-station field comms to production web apps — the full stack of an infrastructure supervisor who ships software.

Software

Next.js | React | TypeScript | JavaScript | Node.js | Python | SQL (PostgreSQL / Drizzle) | Git & GitHub | MCP server development | HyperFrames

Cloud & APIs

Vercel | Render | Neon Postgres | Abasthan PaaS | Netlify API | Keycloak / OIDC | SSH / SFTP automation | Microsoft Graph / Office 365

Power Platform

Power Automate | Power Apps | SharePoint | Teams | OneDrive | Exchange

AI & Automation

AI-agent workflows (MCP tooling, agent skills) | n8n | Playwright + ffmpeg | HyperFrames video production

Infrastructure & Domain

WAN/LAN & Fibre | GSM/4G/Satellite comms | CCTV & access control | Oil & gas field ICT | Asset management | Cost governance (FinOps) | Architectural concept design

TRACK RECORD

Work Experience

Skip to content

– the full detail is in the downloadable CV.

IMTS Infrastructure Supervisor — ND Engineering (Sahara Group)

FEB 2025 — PRESENT

OML 11 · ARAHAS · SGIR RIGS | 2 LIVE APPS BUILT | POWER PLATFORM DAILY | RIG MOVES

- Built OML11 AssetHub, a live asset issuance & e-signature platform (Next.js, PostgreSQL, Microsoft Graph) for the WAGL OML 11 JV — 171 issuance lines, 316 stock units, full audit trail and Excel exports.
- Digitized the NEPL Process Safety Tracker workbook into a live JV dashboard with email alerts (oml11-safety.vercel.app); migrated persistence to Neon Postgres with a scheduled digest and a same-origin Netlify API, and fixed a jsonb load bug that reseeded live state.
- Shipped AI-agent-assisted apps: the OML11 AssetHub enhancement roadmap (auth/RBAC and actor-aware audit, custody check-in/out ledger, maintenance, QR labels, bulk operations, custom fields, depreciation, e-sign and reporting), and FleetOS — a local-first fleet management app built from the Fleet Management Report workbook.
- Introduced cost governance for the Netlify Free tier after a credit overrun — preview-by-default deploys, live credit checks, cooldown and per-site monthly caps — keeping five sites online without a plan upgrade.
- Automate and digitize daily OML 11 workflows on the Microsoft Power Platform — Power Automate flows, Power Apps and SharePoint (O365).
- Directed daily IT operations — high system availability, responsive technical support and proactive monitoring that resolves issues before business impact.
- Coordinated incident response and service restoration, minimizing downtime; implemented backup & disaster recovery to safeguard critical business data.
- Led IT change management and hardware/software lifecycle; managed vendors and ensured cybersecurity and regulatory compliance.
- Provide dual-site ICT support across Sahara Group assets — OML 11, Arahas and SGIR Rigs — including rig moves with IT decommissioning and recommissioning.
- Run wide-area point-to-point WAN links and remote power inverter monitoring — live LiFePO4 cell/load/grid telemetry with remote switching of site loads for power continuity.

Network Analyst — DAGBS (Client: Seplat Energy)

NOV 2024 — FEB 2025

ONSHORE + OFFSHORE | VOIP / TETRA | DR DESIGN

- Designed scalable, redundant network systems with disaster recovery solutions; installed ed routers, switches, firewalls and access points.

Skip to content

- Managed VOIP communications — Tetra radios and desk phones — and monitored network performance, resolving connectivity issues onshore and offshore.
- Documented network configurations and changes, escalating security incidents as needed.
- Collaborated with IT teams to integrate and optimize network solutions; analyzed and upgraded systems for speed, reliability and capacity.

Systems Integration & Migration Analyst — DAGBS (Client: ExxonMobil)

MAY 2024 — NOV 2024

5,000+ MACHINES | 4 SITES & FACILITIES | ZERO DOWNTIME

- Delivered L1/L2 support migrating 5,000+ business machines to the EMG–Seplat JV operating platform across ExxonMobil offices in Akwa Ibom State, Nigeria.
- Managed system migration, integration and training for the Bonny River Gas Processing Terminal (BRT) with no operational interruptions.
- Oversaw migration and training for the YOHO FSO offshore vessel and YOHO YP / Ekpe offshore production facilities — continuous production operations throughout.
- Ran remote and on-site post-migration training; facilitated repairs for 100+ systems — zero downtime, no user complaints.

ICT Analyst — Amaranta Oil & Gas (OML 42 FTSA)

SEP 2022 — MAY 2024

35,000 BOPD | 3G→4G UPGRADE | CCTV & BIOMETRICS

- Sustained 35,000 BOPD crude production by ensuring ICT peripherals stayed operational at flow stations.
- Deployed Starlink and last-mile devices across OML 42 field locations; upgraded the Odidi network from 3G to 4G and coordinated 4G Airtel coverage for Jones Creek Flow Station.
- Overhauled Hytera/Motorola handheld radios, installed GSM signal boosters at remote sites and recommissioned network switches and routers for efficient remote configuration.
- Delivered Yealink/Teams collaboration tools, CCTV & biometric access control, and LiFePO4 battery/inverter backup strategy for ICT continuity.

ICT Support Officer — Nestoil Group

2022

Skip to content

REMOTE GSM / P2P | VENDORS & BUDGET

- Optimized GSM services for remote locations and ensured availability of P2P radios.
- Managed project implementations and strategies for execution; interacted with vendors, ensured ICT policy compliance and provided daily project progress feedback for budgeting.
- Maintained ICT accessories and ensured effective printing and internet services; troubleshot security issues, ran diagnostics and created user manuals.

ICT Officer — MoneyTrust Microfinance Bank

FEB 2018 — APR 2021

BANK INFRASTRUCTURE | AUDITS & COMPLIANCE

- Managed bank IT infrastructure — servers, workstations and security systems — and developed the organization's website and IT policies.
- Supported Mobile Teller systems, conducted employee IT training, liaised with service providers on SLAs, and performed audits and data backups to meet regulatory standards.

Earlier career

2012 — 2018

- Crestsage Ltd — IT Project Officer / HSE (2017–18): IT device blueprints, enterprise projects, business proposals.
- ADDAX Petroleum — Drilling Intern (2013–14): well planning, equipment tracking and well-site support.
- 3cnet — IT Intern (2012–13): system/network admin, secure VPNs, incident tickets and procurement.

WHAT I BUILD

Projects

Production apps that digitize JV operations — built with AI-agent development tooling.

Skip to content

OML11 AssetHub

• LIVE

Full-stack asset platform for the WAGL OML 11 JV — replacing paper-based device issuance and agreement tracking across the asset.

171 issuance lines | 29 stock models | 316 units in stock | 455 assigned

- Device issuance registry with holder details and unsigned-agreement tracking
- Stock bank with model catalog and unit draw-down
- Agreement lifecycle: email → online e-signature or upload → reminders
- Audit trail, Excel exports, O365 Graph email integration
- Grafana Synthetics uptime monitoring + hosting cost optimization

Next.js · React · PostgreSQL (Neon/Drizzle) · Microsoft Graph · Vercel

oml11-assethub.vercel.app ↗

OML 11 Process Safety Tracker

• LIVE

Online version of the NEPL JV Process Safety Tracker workbook — replacing manual spreadsheet safety reporting for the joint venture.

- Every workbook sheet became a dedicated module
- Live dashboard, timeline and summary views
- Document attachments and automated email alerts
- App on Vercel + API service on Render

Web dashboard · Email alerts · Vercel + Render

oml11-safety.vercel.app ↗

CV site — Abasthan copy

• LIVE

Installable, offline-ready PWA copy of this CV deployed on the Abasthan Free tier — original Netlify and Vercel deployments retained.

- Command palette, theme toggle, offline service worker and JSON-LD SEO
- Deployed from a public GitHub repo with Auto-Deploy on `main`
- Custom subdomain, registered SSH key and Free-tier resource limits

ice Worker · GitHub · Abasthan

Skip to content

emmanuel-adarighofua.abasthan.app ↗

FleetOS — Fleet Management

• LIVE

Local-first fleet management app built from the Fleet Management Report workbook — no build step, no backend, no accounts.

- 13 modules: vehicles, drivers, tyres, trips, fuel, maintenance, inventory, vendors, invoices, incidents, alerts and reports
- Compliance alerts, fuel economy, fitment history and cost of ownership per vehicle
- CSV export, JSON backup/restore and a demo Nigerian fleet priced in ₦

Vanilla JS · localStorage · GitHub Pages

emmaniche.github.io/fleet-management-app ↗

Netlify Credit Guard

• RUNNING

Team-wide deploy guardrails built after a 316-credit overrun — protecting all five Netlify sites on the Free plan.

- Preview-by-default deploys; production requires an explicit gated wrapper
- Live credit check, 15-minute cooldown and monthly per-site caps
- Deploy ledger, calendar reminders and a daily credit check task

Node.js · Netlify API · Windows Task Scheduler

OML11 UAUC Tracker

IN DEVELOPMENT

JV operations tracker web app with SQL migrations — extending the OML 11 digital toolkit.

Next.js · SQL migrations

nft_on_chain

EXPERIMENT

Solidity NFT smart-contract experiment on the Ethereum testnet (OpenSea testnet).

Solidity · Ethereum

Skip to content

CREDENTIALS

Education & Certifications

Engineering degree, networking certification, offshore safety — plus professional training in data analysis and energy.

2026

Advanced Data Analysis Techniques

PetroKnowledge, London · modelling, simulation, optimisation & predictive analytics in Excel · 35 learning hours · 30 CPE credits · ID PK-4799

2025

Renewable Energy Projects — Technical & Commercial

IHRDC, Nairobi (Dec 8–12) · Technical Fundamentals & Commercial Development · 4 CEU / 40 PDH

2025

Fundamentals of Exploration & Production

PetroKnowledge, Lagos · 16.5 learning hours · ID PK-2872

2018

Cisco Certified Network Associate (CCNA)

Cisco ID CSCO13305133

2014

BOSIET (OPITO 5700)

Basic Offshore Safety Induction & Emergency Training — Falck Prime Atlantic

2015

B. Engr. Petroleum & Gas Engineering

Delta State University, Abraka · Second Class Honours, Upper Division

Skip to content

Contact

EMAIL

adarighofuaemmanuel@gmail.com

PHONE

+234 816 547 1453

GITHUB

github.com/emmaniche

This CV also lives at emmanuel-adarighofua.abasthan.app ↗

References available on request · © 2026 Emmanuel Adarighofua · Last updated November 2026 · Download CV (PDF)

Tip: press Ctrl K (or ⌘ K) to jump anywhere.