

ONWE FRANCIS CHIEMERIE

Petroleum Engineer · Technical & Content Writer · Regulatory Affairs · Software Architect

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PROFESSIONAL SUMMARY

Petroleum Engineering graduate (B.Eng., Second Class Upper, 3.55 CGPA, FUTO) with hands-on industry experience across upstream production operations, drilling-fluids laboratory research, and pharmaceutical regulatory compliance — combined with 3+ years of professional technical writing that translates complex engineering and scientific subject matter into clear, accurate, audience-friendly English. Experienced in evaluating technical documents for accuracy, completeness and clarity: production reports, field-development plans, work programs, regulatory dossiers, and laboratory data. Builder of live production compliance and AI software systems (NCI RIMS, Aptframe, ToolForge). Operating rule: *every system must be traceable, evidence-based, and honest about what it can prove.*

PROFESSIONAL EXPERIENCE

Regulatory Officer | NCI Pharm Chem. Ind. Lagos, Nigeria · 2026 – Present

- Manage regulatory tracking for 50+ products across NAFDAC registrations, renewals, import permits and listing certificates, maintaining accurate manufacturer, supplier, expiry and status records.
- Prepare and review regulatory submissions — product artwork, packaging, CTD/dossier documentation and supporting evidence — reconciling product and company data across records to eliminate recurring inconsistencies.
- Maintain expiry trackers that initiate renewals at least 3 months ahead of deadlines, and close documentation gaps with internal teams, manufacturers and regulators within defined turnaround times.

Production Engineering Intern | Nigerian Upstream Petroleum Regulatory Commission (NUPRC) Nigeria · Oct 2024 – Feb 2025

- Reviewed and analysed 10+ operator production reports for compliance with regulatory requirements and production targets, supporting reservoir-performance evaluation and management reporting.
- Reviewed 10+ technical documents including field-development plans (FDP) and operator work programs, contributing to technical review and documentation workflows.
- Prepared regulatory decision-support reports and presentations for senior engineers, translating technical findings into clear material for review meetings; applied provisions of the Petroleum Industry Act (PIA) to upstream activities.

Freelance Technical & Content Writer | Remote 2023 – Present

- Develop research-backed long-form technical explainers, structured scripts and SEO-optimised guides, translating complex engineering and AI topics into clear, engaging written English.
- Conduct in-depth research with primary source verification; structure outlines, narrative hooks, and concise arguments for audience retention. Maintained published Notion technical writing archive.

Research Assistant | Petroleum Laboratory, Federal University of Technology, Owerri Owerri, Nigeria · Aug 2023 – Apr 2024

- Conducted 15+ drilling-fluid laboratory tests (rheology, mud weight, fluid loss, pH), generating technical data for drilling-performance and wellbore-stability evaluation.
- Improved laboratory data repeatability by ~20% by standardising calibration, test documentation and data-recording procedures.

EDUCATION

B.Eng. Petroleum Engineering — Second Class Upper (CGPA 3.55/5.00) Aug 2020 – Oct 2025

Federal University of Technology, Owerri (FUTO)

- Relevant Coursework: Drilling Technology · Reservoir Engineering · Petroleum Production Engineering · Well Completion & Stimulation · Surface Production Operations
- Final-Year Research: Laboratory-based investigation of nanoparticle retention in porous media and permeability alteration in nanoparticle-assisted enhanced oil recovery (EOR).

SKILLS & TOOLS MATRIX

- **Writing & Communication:** Technical explainers, long-form scripts, SEO structuring, editing, fact verification.
- **Engineering & Regulatory:** NAFDAC dossiers, CTD format, 21 CFR Part 11, drilling fluids, well integrity, HSE (OSHA).
- **Software & Edge:** Next.js 16, TypeScript, React, Cloudflare Workers/Pages, Supabase PostgreSQL RLS.
- **Data & AI:** Microsoft Excel (advanced), production analytics, Google Gemini, OpenAI, prompt diagnostics rubrics.

PROJECTS

NCI RIMS — Regulatory Inventory Management System | NCI Pharm Chem. Ind.

2026 · In Active Production Use

- Sole designer and builder of an in-house GxP compliance operating system managing 50+ NAFDAC pharmaceutical product records.
- Engineered automated expiry tracking radars, controlled-document vault with approvals, QR-verified digital signature letter studio, port-clearance demurrage countdowns, role-based access control, and an append-only audit trail (21 CFR Part 11 supportable).
- Stack: Next.js 15, TypeScript, Supabase (PostgreSQL with RLS), Auth RBAC, Playwright E2E, PWA Offline.

Aptframe — AI Prompt Intelligence & Diagnostics SaaS | B2B Prosumer SaaS

2026 · Live on Cloudflare Edge

- Designed, built and deployed a production SaaS workspace eliminating AI prompt drift and hallucination via a 5-dimension health diagnostic rubric (0–100 score).
- Features 1-click model pre-fills to ChatGPT, Claude, and Gemini, 30+ Supabase templates, and automated Polar webhook subscription billing (\$9.00/mo Pro Founder Plan).
- Stack: Next.js 16 (Turbopack), OpenNext, Cloudflare Edge Workers, Supabase RLS, Gemini API. Live: *aptframe-app.onwefrancis123.workers.dev*

ToolForge — Creator AI & Micro-Utility Engine | High-Traffic Programmatic SEO

2026 · Live on Cloudflare Pages

- High-traffic creator utility suite with 6 dedicated SEO routes (AI Text Humanizer with 80+ cliché dictionary, YouTube Viral Title Generator, LinkedIn Formatter).
- 100% Schema.org rich snippets verified by Google Search Console, Google AdSense display units, and Manifest V3 Chrome Extension. Live: *toolforge-app.pages.dev*

CERTIFICATIONS, AFFILIATIONS & LEADERSHIP

- **Google AI Essentials** — Google via Coursera
- **Health, Safety & Environment (HSE) Certification, Levels 1–3 (OSHA)** — Feb 2023
- **Level 1 Oil Field Rigging** — Otseso Oil and Gas Limited — Mar 2024
- **Society of Petroleum Engineers (SPE)** — Student/Young Professional Member, SPE FUTO Chapter
- **Executive President, Nigerian Universities Engineering Student Association (NUESA) FUTO Chapter:** Elected twice (2023–2025), School of Engineering and Engineering Technology, Federal University of Technology Owerri (FUTO).