

CHARLES UKASOANYA

Senior Operations Manager | Technology Leader | IoT & Software Innovator

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Professional Summary

Dynamic technology leader with a rare blend of **Petroleum Engineering, Telecommunications, and Software Development** expertise.

Proven record of **delivering large-scale infrastructure projects** and creating **real-time IoT/Software solutions** for critical operations. Skilled at bridging hardware systems, cloud platforms, and business strategy to drive digital transformation and growth.

Core Competencies

- IoT & Industrial Automation
 - Telecom Infrastructure Management
 - Operations Leadership & Project Delivery
 - Team Building & Cross-Functional Collaboration
 - Real-time Data Systems & Cloud Integration
 - Python, JavaScript (Next.js/React), SQL
 - Digital Transformation Strategy
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Professional Experience

Ping Telecommunications Resources Ltd – Lagos, Nigeria

Senior Operations Manager | 2017 – Present

- Directed **13 Chevron Nigeria Automatic Weather Observation System (AWOS) installations**, coordinating engineers, vendors, and Chevron stakeholders.
- Designed and deployed a **Python + Next.js platform** for real-time weather data display across Chevron facilities, improving safety and operational efficiency.
- Managed multimillion-naira budgets, scheduling, and vendor contracts while scaling a team of field engineers.
- Championed a culture of continuous improvement, introducing software-driven monitoring to replace legacy processes.

Operations/Field Engineer | 2014 – 2017

- Led field deployments of remote communication infrastructure in challenging environments.
- Integrated sensor data pipelines into backend systems, laying the groundwork for today's IoT offerings.

Education

- **MSc (Ongoing)** – Computing Systems & Informatics | Liverpool John Moores University
- **MSc** – Information and Communication Technology | Anglia Ruskin University, Cambridge
- **BSc** – Petroleum Engineering | Federal University of Technology, Owerri

Technical Skills

Python · Java · JavaScript/TypeScript · Next.js/React · Firebase · AWS IoT · Google Cloud · REST APIs · Git · Data Streaming/Real-time Dashboards