

KEN NWANGWU

EXECUTIVE AI & DATA ARCHITECT | AGENTIC SYSTEMS | MARITIME INTELLIGENCE

Senior data leader and hands-on systems builder translating complex business requirements into governed, production-ready platforms.

United Kingdom | www.kencv.com | [GitHub](#) | [LinkedIn](#)

PROOF-OF-CAPABILITY: Recruiters and employers may submit a POC or solution-roadmap brief through kencv.com.

EXECUTIVE PROFILE

Frontier AI and data architecture professional with 17+ years across maritime intelligence, business systems, analytics and enterprise transformation. Advanced OpenAI Codex practitioner who uses agentic engineering to move from ambiguous business need to working software, data pipelines, governed APIs, tests, deployment, monitoring and operational runbooks. Combines board-level communication with hands-on TypeScript, Python, SQL/PostgreSQL, cloud and BI delivery. Particularly effective where domain knowledge, data quality, commercial judgement and technical execution must coexist.

LEADERSHIP

Data strategy, product direction, stakeholder alignment

AI DELIVERY

Codex, agent workflows, human approvals, evidence

ARCHITECTURE

APIs, PostgreSQL, cloud, security, resilience

SELECTED EXECUTIVE IMPACT

- Agentic enterprise delivery:** Designed a portfolio of specialist AI/data workers for enrichment, document ingestion, reference mapping, compliance research, operational monitoring and human review, with explicit approval boundaries and measurable run KPIs.
- Commercial platform architecture:** Led the evolution of a maritime data portal into a secure subscriber and self-service API platform, integrating entitlements, quotas, payment workflows, trial controls, documentation and production QA.
- Data estate governance:** Applied canonical reference mapping, RLS, staging/approval patterns, audit evidence, data dictionaries and non-destructive update rules across a large maritime database containing more than 123,000 vessel records.
- Operational resilience:** Established encrypted off-site PostgreSQL recovery packs, automated cloud storage, smoke tests and monthly restore drills rather than relying solely on a primary SaaS provider.
- Enterprise change:** Migrated spreadsheet and local-database workflows into Azure-backed systems, BI products and operational applications; trained more than 100 stakeholders in complex project and reporting tools.

PROFESSIONAL EXPERIENCE

E.A. Gibson Shipbrokers | Sep 2016 - Jul 2026

Data Manager

- Owned data strategy, requirements translation and delivery across shipbroking, vessel, port, fixtures, sale-and-purchase and market-rate workflows.
- Led migration from spreadsheets and local databases to Azure and SQL Server, improving scalability, governance and access to trusted data.
- Architected PROPEL, a full-stack internal data tool covering vessels, ports and S&P information, alongside custom CRM and events-management platforms.
- Built Power BI dashboards, automated reporting and bespoke client outputs used by commercial and management stakeholders.
- Bridged brokers, analysts, management and technical suppliers to turn operational knowledge into usable data products and repeatable processes.

Pangaia | 2022

Finance & Process Data Manager | Three-month contract engagement

- Diagnosed finance and supply-chain data integrity issues and defined practical governance, controls and reporting improvements.
- Led the successful relaunch of Oracle NetSuite, coordinating users, business processes and system delivery.
- Created management dashboards and analytics to improve decision quality across fast-moving operational teams.

Subsea 7 (UK Service Company) Ltd | Nov 2013 - Oct 2015

Group Engineering PMO Coordinator

- Acted as systems lead and administrator for Microsoft Project Server, enterprise templates, custom fields and portfolio tooling.
- Delivered resource KPIs, engineering dashboards and project reporting for leadership and major energy programmes.
- Trained 100+ stakeholders and maintained SharePoint-based risk, progress and performance systems across global teams.

S&P Global / IHS Markit | Jan 2009 - Nov 2013

Senior Analyst

- Analysed fleet, port and AIS movement data and maintained IACS-classed vessel datasets to demanding quality standards.
- Published weekly global ship sale-and-purchase intelligence for Fairplay Markets and built Excel/VBA and Access analytical tools.
- Combined maritime domain research, data stewardship and client-facing market intelligence in a globally recognised information business.

SELECTED INDEPENDENT AI & DATA PORTFOLIO

AI Agent Operations & Control Room | Codex | Python | SQL | GitHub Actions

Designed a governed operating model for multiple specialist workers: structured KPIs, stale/failure detection, daily executive reporting, approval gates, audit trails and exception-based escalation.

Maritime Data & API Platform | TypeScript | React | Node.js | Supabase | Stripe | Vercel

Built and production-hardened a subscriber portal and commercial API experience with authentication, RLS-aware data access, resource entitlements, quotas, trials, billing integration, security checks and deployment verification.

Maritime Asset Finance Advisor | AI product design | Data modelling | Decision support

Developed a private decision-support concept joining vessel intelligence, asset-finance logic and structured workflows for commercial maritime analysis.

Resilient Maritime Data Estate | PostgreSQL | GCP | GitHub Actions | Encryption

Implemented automated database backups, encrypted archives, cloud retention, verification artefacts and isolated restore drills, supported by runbooks and operational telemetry.

CORE TECHNOLOGIES

AI & engineering: OpenAI Codex, agent orchestration, TypeScript, JavaScript, Python, Node.js, React, REST APIs, GraphQL, Postman, GitHub Actions, testing and production QA.

Data & cloud: PostgreSQL, Supabase, SQL Server, Azure, Google Cloud Storage, BigQuery, Databricks, Microsoft Fabric, ETL, RLS, master/reference data and data governance.

Analytics & enterprise systems: Power BI, SSRS, Looker, Advanced Excel/VBA, Oracle NetSuite, Microsoft Project Server, SharePoint, AppSheet, UI Bakery, PowerApps and Power Automate.

EDUCATION, CERTIFICATIONS & AFFILIATIONS

City University London | Postgraduate Degree, Maritime Operations & Management, 2007-2008

Federal University of Technology Owerri | BSc, Maritime Management Technology, 2001-2005

Professional development: Microsoft Power BI and Advanced SQL; IBM Blockchain Essentials and Blockchain Developer; Coracle Tanker Chartering.

Affiliations: Affiliate Member, Institute of Chartered Shipbrokers; Affiliate, Chartered Institute of Logistics and Transport (UK).

Selected enterprise repositories are private. Architecture walkthroughs, scoped demonstrations and POC roadmaps are available subject to confidentiality.