



Strategic Engineering for the Modern Enterprise

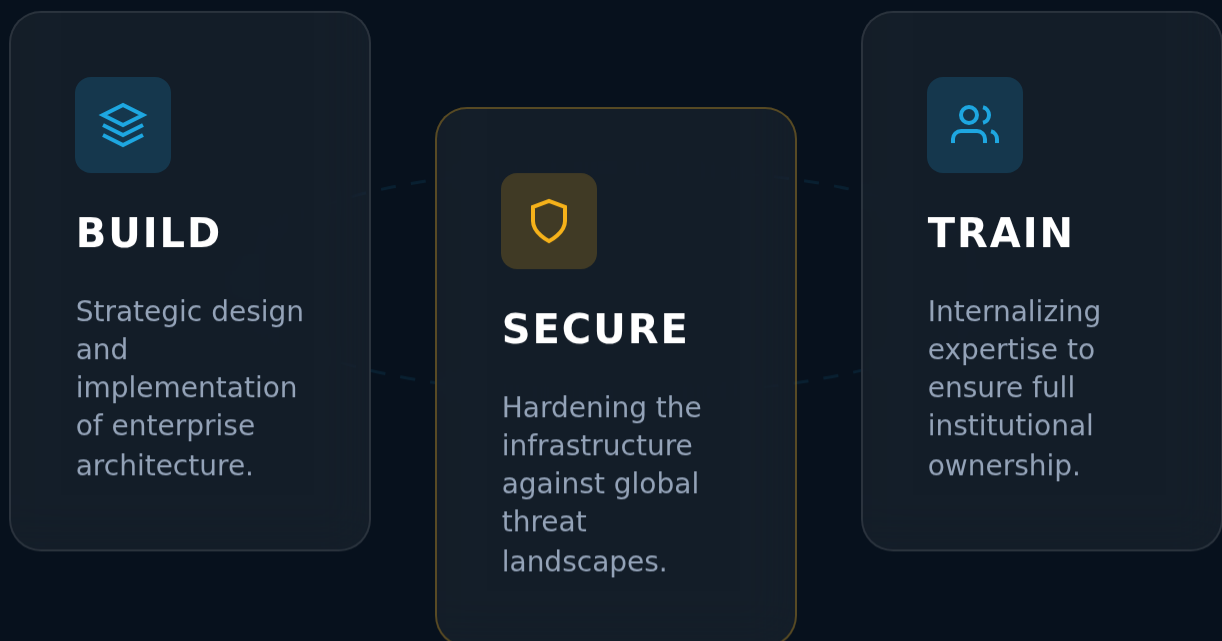
**STRATEGIC CONSULTING,
IMPLEMENTATION & CAPACITY
BUILDING FOR ENTERPRISE ICT.**

Driving secure digital transformation and operational excellence across database platforms and cybersecurity through precision architecture and knowledge transfer.

MISSION READY

The Evolution of Engagement

Fostering sustainable success by eliminating vendor lock-in through a proprietary knowledge transfer loop designed for global enterprises.



"Our goal isn't just to solve a problem; it's to ensure you never need a third party to solve it again. We build the systems, secure the assets, and empower your team to lead."

PRECISION DATABASE ENGINEERING

ORACLE ENTERPRISE ARCHITECTURE • PERFORMANCE • SECURITY

ENGINEERED RELIABILITY

Mission-Critical Availability

Specialized deployment of **Oracle RAC (Real Application Clusters)** and **Exadata** systems. We engineer zero-downtime environments optimized for versions 19c through 23c.



**CACHE FUSION
OPTIMIZATION**



**STORAGE CELL
OFFLOADING**

PERFORMANCE SCALING

Leveraging Smart Scan technology and Hybrid Columnar Compression to reduce I/O overhead and accelerate query processing in massive datasets.



Audit-Ready Architectures

SECURITY AS AN ARCHITECTURAL
CONSTANT

- Full STIG (Security Technical Implementation Guide) alignment
- CIS Benchmark hardening for Database Instances
- Advanced Transparent Data Encryption (TDE)

ENGINEERING
IQ BRAIN
STANDARDS •
GLOBAL
INFRASTRUCTURE
SECURE

*"We don't just
tune
databases; we
engineer
ecosystems
where data
integrity is
guaranteed by
design."*

SECURE OPEN-SOURCE SCALABILITY



Break vendor lock-in and reduce licensing overhead. iQBrain bridges the gap between proprietary robustness and open-source flexibility through **PostgreSQL** ecosystems.



MIGRATION PATH

Risk-mitigated transition from legacy RDBMS to PostgreSQL. Schema conversion, data validation, and minimal-downtime cutovers.



SECURITY HARDENING

Enterprise-grade security for open-source. Implementation of SSL/TLS, advanced auditing, and RBAC aligned with CIS benchmarks.



PERFORMANCE TUNING

Optimizing query planners, indexing strategies, and connection pooling (PgBouncer) for high-concurrency enterprise workloads.



ADVANCED MODELS

Leveraging PostGIS for geospatial data and graph extensions for complex relationship mapping within a unified data store.

IMPACT REPORT

"Clients typically experience a 40-60% reduction in TCO while maintaining Tier-1 performance and security standards."

Cybersecurity By Design

Security is an architectural requirement, not a bolt-on feature. We build hardened environments aligned with *ISO 27001* and *STIG* standards.



DATABASE VAULT

REALMS & COMMAND
RULES
PRIVILEGED USER
CONTROL



AUDIT & FIREWALL

ORACLE AVDF
DEPLOYMENT
REAL-TIME THREAT
DETECTION



VAPT METHODOLOGY

VULNERABILITY
ASSESSMENT
PENETRATION TESTING

THE DEFENSE MODEL

Our 'Shield' layer methodology ensures that security configurations are embedded during the implementation phase, not after. We focus on zero-trust architectures and granular auditing.

STIG Compliant
SECURITY TECHNICAL
IMPLEMENTATION GUIDES



Intelligent **Workflows** & Platforms

Modernizing legacy frameworks into streamlined, digital-first operations through architectural precision and high-availability infrastructure.



ENTERPRISE ARCHITECTURE (TOGAF)

Strategic alignment of business goals with IT capabilities. We design resilient blueprints that bridge the gap between complex requirements and scalable execution.



SECURE LINUX PLATFORMS

High Availability (HA) and Disaster Recovery (DR) consulting for mission-critical server environments. Engineering zero-downtime architectures for global enterprises.



ECOSYSTEM MODERNIZATION

Tailored Salesforce CRM implementations for NGOs and high-stake business processes. We transform complex workflows into intuitive, data-driven platforms.

| INTEGRATION • OPTIMIZATION • SCALABILITY

Capacity Building: Mastery Through Practice

Sustainable digital transformation requires internal ownership. We don't just deliver solutions—we empower your team to lead them.

"We train what we implement."

Our instructors are active senior consultants. They bring real-world production incidents, architectural trade-offs, and industrial hardening standards into the lab environment.



Instructor-Led Delivery

Interactive, consultant-led sessions focused on critical reasoning and architecture, moving beyond basic certification theory.



Practical Hands-On Labs

Sandboxed enterprise environments where teams simulate high-availability failovers, security breaches, and performance tuning.

ADVANCED LEARNING TRACKS

IQ BRAIN

WWW.IQBRAIN.CO.TZ

ORACLE
SECURITY &
AVDF

POSTGRESQL
ADMINISTRATION

ETHICAL
HACKING (VAPT)

ICT
GOVERNANCE

IQ BRAIN MH (T) LTD

A MULTIDISCIPLINARY CONSULTING POOL

30+

SENIOR EXPERTS

Beyond our core leadership, iQBrain maintains a trusted pool of vetted specialists, enabling us to assemble **"right-fit" teams** for complex, multi-domain engagements across the African continent and beyond



BLOCKCHAIN & SMART CONTRACTS

Secure decentralized architectures and automated governance for fintech and logistics.



AI & BIG DATA ENGINEERING

Building intelligent pipelines and predictive models to transform raw data into institutional intelligence.



DIGITAL FORENSICS

Incident response and deep technical audits to uncover vulnerabilities and maintain digital chain-of-custody.



ICT GOVERNANCE

Strategic advisory on policy, framework alignment, and organizational digital readiness.

PRECISION TALENT • GLOBAL AGILITY • AFRICAN INSIGHT



iQBrain ensures high availability and disaster recovery for national institutions where downtime is not an option. Our architectures are audited to satisfy international security benchmarks (STIG/CIS).

SOCIAL PROOF

ENTERPRISE & NGO ECOSYSTEM

Validating our technical versatility through strategic delivery across high-stakes hospitality, energy and logistics, agri-tech, human resources, philanthropy, grant-making, international development, and global education ecosystems.



SERENA HOTELS

High-Stakes Hospitality



ORYX ENERGIES

Critical Energy Logistics



WOMEN FUND TANZANIA

Strategic Grant-Making



LONGPING AGRISCIENCE

Agri-Tech & Science



WHAT

Women HR's Association



BENEVO

HR & Philanthropy Consulting



HSD SOLUTIONS

Human Resource Solutions



XOESE

Francophone Women's Fund



UNESCO

Global Cultural & Scientific Org.

LEADERSHIP

Strategic Vision



**8+ YEARS OF PLATFORM
ENGINEERING**

HOPEVER MANYALLA

Managing Director

"Building institutional trust through engineering excellence and operational transparency is at the core of our global mission."

<> **ENGINEERING PEDIGREE**

Expertise in Software Engineering and PostgreSQL Administration ensures technical integrity at the highest levels.



QUALITY & ASSURANCE

Oversees service delivery and organizational oversight, maintaining the 'iQBrain Standard' for every client engagement.



GLOBAL STRATEGIC FOUNDATION

Directs international growth strategies across African, Malaysia, and South America markets with a focus on sustainable success.

TECHNICAL MASTERY

**23+**YEARS IN TECHNICAL
LEADERSHIP

MBUTHO CHIBWAYE

Director of Technology

The technical architect behind iQBrain's high-stakes implementations. Mbutho translates complex enterprise requirements into secure, high-availability data architectures.

**SOLUTION DESIGN**

Enterprise Oracle & PostgreSQL Clusters

**SECURITY ARCHITECTURE**

Database Vault, AVDF & Hardening

**CAPACITY BUILDING**

Advanced Technical Knowledge Transfer

CORE TECH STACK

ORACLE

POSTGRESQL

VAPT

RISK & COMPLIANCE

HAPPINESS KATEGILE

DIRECTOR OF FINANCE

Happiness Kategile oversees financial management, governance, and regulatory compliance for iQBrain Global. Her strategic oversight ensures the long-term organizational stability and financial planning necessary to support our expansion across USA and African markets.

40+ Years

COMBINED GLOBAL
EXPERTISE

**Audit-
Ready**

GOVERNANCE STANDARDS



 **CORPORATE GOVERNANCE**

 **FINANCIAL OPERATIONS**



Secure Your Digital Future

Ready to transform your enterprise architecture or upskill your global team? Partner with the experts in high-stakes ICT engineering.



Strategic Inquiries

Enterprise consulting, security audits, and architectural design.



Training Enrollment

Professional certifications and hands-on technical capacity building.



Direct Support

24/7 technical assistance and operational maintenance agreements.



+255 756 240
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training@iqbrain.co.tz



Dar es Salaam,
Tanzania