

# OTHNIEL VICTOR (OKOLI)

CEO & TECHNOLOGY ARCHITECT | BUSINESS STRATEGIST | MENTOR  
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## EDUCATION

- **B.Sc. Building Construction Technology**  
Nnamdi Azikiwe University.
- **AWS Certified Cloud Practitioner**
- **Generative AI and Predictive AI in the Cloud** - Foundational Concepts and Scenarios 1 & 2
- **Agentic AI Architecture Foundations:**  
Designing Autonomous AI Systems
- **Certificate of Training (Levels 1, 2 & 3)**  
Onshore & Offshore Safety Institute of Nigeria
- **Certificate of Completion Entrepreneur's Academy**

## CORE COMPETENCIES

- **Cloud:** AWS (S3, EC2, CloudFront, IAM, Lambda), Serverless Architecture
- **Programming:** PHP, JavaScript, Node.js, Python (AI workflows), SQL  
Product Architecture & Digital Transformation
- **AI:** Agentic Systems, Generative AI, Predictive Models, Automation Vision
- **Tools:** Git, Linux, API Gateways, Payment Integrations
- **Business:** Product Growth, Team Leadership, Strategic Planning, Partnerships

## EXECUTIVE SUMMARY

Technology executive and innovation strategist with a strong track record of designing and scaling AI-powered digital ecosystems across Africa. Founder and CEO of Othniel-Phantasy Technology and Co-Founder of AI Hub Africa. Skilled in cloud architecture, agentic AI systems, full-stack development, product innovation, and business transformation. Known for building intelligent platforms, architecting high-availability infrastructure, mentoring emerging talent, and driving enterprise-level adoption of modern technologies.

## PROFESSIONAL EXPERIENCE

### Chief Executive Officer (CEO) & Technology Architect Othniel-Phantasy Technology — June 2022 – Present

Lead technical and strategic operations for a multi-product technology company delivering intelligent software solutions, AI systems, cloud migration, and digital transformation for businesses across Africa.

#### Key Achievements:

- Built and scaled three major digital platforms (Tawkwell, Lazy Student & Phantasy Mart), each serving unique markets in social networking, education, and e-commerce.
- Designed secure API ecosystems, optimized databases, and implemented cloud-native architecture leveraging AWS S3, CloudFront, Lambda, EC2, and serverless workflows.
- Delivered major upgrades including caching optimization, PWA enablement, and mobile app integration, improving platform speed and user experience.
- Developed agentic AI workflows, intelligent automation, and predictive systems to enhance platform capabilities.
- Mentored multiple developers and early-stage founders, fostering a culture of continuous learning and engineering excellence.
- Built strategic partnerships with startups, SMEs, and corporate clients, positioning the brand as a key contributor to Africa's digital innovation economy.
- Drove product roadmaps, cross-functional collaboration, and agile execution for multiple ongoing technology projects.

# PROFESSIONAL AFFILIATIONS & INITIATIVES

- Co-Host & Facilitator, **YouthEmpower Program** (Powered by NBC)
- Founder, **Othniel Phantasy Technology Group** (Technology Solutions & Startup Accelerator)
- Advocate, **Responsible AI and Digital Inclusion in Africa**
- Mentor, Youth & Tech Innovation Circles

## Co-Founder — AI Hub Africa | March 2025 – Present

Co-leading a regional initiative named CloudAudit focused on democratizing AI enabled accounting and inventory software solution.

### Key Achievements:

- Leading R&D efforts on agentic AI systems, generative design, and real-world predictive AI applications
- Facilitated workshops, bootcamps, and mentorship programs supporting startups and enterprise AI adoption.
- Built industry partnerships and contributed to responsible AI advocacy in the African tech ecosystem.
- Contributed to developing AI learning pathways, research initiatives, and community-driven innovation programs.

## AI Research Labs & Advanced Projects

### Othniel Labs – AI, Intelligent Systems & Human-Centered Computing

#### Founder & Lead Researcher

#### Othniel-Phantasy Technology

2024 – Present

#### Overview:

Othniel Labs is a cutting-edge research and innovation center focused on advancing applied artificial intelligence, embedded intelligence, and interactive systems tailored for emerging markets, low-resource environments, and real-world impact. The lab conducts original research, prototypes, and deploys intelligent solutions with emphasis on human-machine interaction, accessibility, and real utility.

#### Core Research Areas

- Edge-Optimized AI Models: Development of efficient ML models tailored for constrained devices and low-infrastructure settings.
- Human Language Technologies: Research and implementation of multilingual speech interfaces and African language NLP systems.
- Computer Vision & Educational Robotics: Hands-on solutions bridging AI with physical hardware for automated instruction and analysis.
- Cognitive Assistant Systems: Intelligent workflow assistants and attention-enhancing wearable technologies.

#### Key Projects

- **Dara Voice Core – Advanced Speech Synthesis Engine**  
A high-fidelity neural speech synthesis platform engineered for African languages and tonal linguistics, optimizing pronunciation and prosody across local dialects in real time.
- **Othniel Vision Tutor**  
A computer vision-driven educational assistant for practical labs, designed to guide students through hardware experimentation with real-time feedback and visual recognition responsiveness.
- **FocusWear Cognitive Band (Prototype)**  
A wearable device designed to evaluate attention and focus metrics using physiological signals, providing adaptive prompts for productivity enhancement.

## REFERENCES

Available on request.

- Neural Translate Edge  
Prototype wearable AI translator offering low-latency, real-time bidirectional speech conversion across multiple African languages and English, supporting in-field communication.

### **Open Innovation & Tools**

- Published AI utilities and pretrained models on open platforms (GitHub) to encourage collaborative research and community adoption.
- Contributed to open-source computational pipelines for multilingual NLP and vision runtime systems.

### **Impact & Outreach**

- Engaged with academic and developer communities to co-produce research outputs and accelerate local AI knowledge exchange.
- Hosted workshops and integrations with developer communities to promote adoption of responsibly designed AI models.

## KEY PROJECTS & DIGITAL PRODUCTS

### **1. Tawkwell (Social Platform)**

A social media platform enabling communication, content creation, and interactive communities.

**Built full system architecture, database models, backend logic, API layers, caching rules, PWA support, and cloud storage.**

### **2. Lazy Student (Education Platform)**

An AI-enabled learning platform assisting students with assignments, projects, tutoring, and financial services.

**Designed the engine, AI workflow integrations, payment automations, and student engagement systems.**

### **3. Phantasy Mart (E-commerce & Services Marketplace)**

A multi-vendor marketplace offering goods, local services, logistics, and delivery solutions.

**Architected vendor management, inventory systems, secure payments, delivery workflows, and user experience flows.**

### **4. CloudAudit (Inventory & Accounting Software)**

A cloud-based business management system built for SMEs, retail businesses, and service providers to track inventory, sales, expenses, and financial performance in real time.

Developed the accounting engine, inventory tracking modules, invoice/receipt automation, financial reporting dashboards, and multi-user cloud access with secure role-based permissions.