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NaijaLingo

"Empowering Nigerian languages with AI"

Founder: Okolie Chukwuka

AI Engineer | Language Technology Specialist

The Problem



Underrepresented Languages

African languages, especially Nigerian languages, are severely underrepresented in AI models



Business Struggles

Businesses, education platforms, and media struggle with accurate translation, transcription, and text-to-speech



Poor Solutions

Current AI solutions are slow, expensive, and inaccurate for Nigerian languages

Our Solution



An AI platform that provides **real-time transcription, translation, and speech synthesis** for Nigerian languages



Advanced AI Models

Deep learning models trained specifically on Nigerian languages



GPU-Powered Speed

Nebius GPU resources enable faster training, lower latency, and seamless scaling



Multi-Language Support

Hausa, Igbo, Yoruba, and expanding to more Nigerian languages

Market Opportunity & Impact

250M+

African Language Speakers



Target Market

- ▶ Education platforms
- ▶ Media & content creation
- ▶ Government services
- ▶ Business communication



Impact

- ▶ Accelerates localized AI access
- ▶ Enables digital content in local languages
- ▶ Preserves Nigerian languages
- ▶ Democratizes AI technology

Technology & GPU Requirements



Tech Stack

Python

PyTorch

Transformers

Hugging Face

LangChain



GPU Use Cases

- ▶ Training LLMs for Hausa, Igbo, Yoruba
- ▶ Real-time translation inference
- ▶ Text-to-Speech generation
- ▶ Model fine-tuning & deployment



GPU Request

4 × A100 GPUs

for 3 months

24/7 uptime

for real-time services

Why Nebius? Cloud-based scalable GPUs enable faster training without infrastructure overhead



Our Traction

85-90%

Translation Accuracy

50%

Latency Reduction

- ▶ Custom TTS & ASR pipelines built
- ▶ Training on African Voices datasets
- ▶ Expanding to 5+ Nigerian languages



What We Need

- ✓ Dedicated GPU access for training & inference
- ✓ 24/7 uptime for real-time AI services
- ✓ Support for scalable ML infrastructure

Expected Outcome

Reduce training time from **weeks** → **hours** • Serve **thousands of users** with high-quality AI language services

"Together, we can bring Nigerian languages to AI-powered platforms worldwide."

Okolie Chukwuka | NaijaLingo Founder