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Kabusa Gardens, Lokogoma, FCT, Abuja

Building the medical intelligence layer for the underserved world

Imagine a mother in a village with no clinic and no internet. She makes a single call, speaks in her own language, and gets clear, practical medical advice that could save her child. Imagine a small clinic with no lab that can run diagnostics on site and get timely results without sending samples to a distant city. That is what BioNeuraX builds.

The problem

Billions of people live beyond the reach of conventional healthcare. Clinics lack labs. Doctors are scarce. Language and literacy block access to care. slow diagnostics and long referral chains turn treatable conditions into deadly outcomes. The missing ingredient is not medical knowledge. It is a reliable, distributed way to deliver that knowledge at the moment it matters.

What we do

We are building an integrated intelligence platform that turns any basic phone, any small clinic, and any community health worker into a node of clinical capability. Our work focuses on two product pillars that together cover conversation, observation, and laboratory-grade decision support.

Product core

MedNeura, the AI medical consultant

- Voice and text triage that works seamlessly across basic and smart devices. Patients can speak or type naturally, and MedNeura responds with structured clinical guidance in their preferred language.
- Supports the upload and interpretation of medical files, including lab results and medical images, providing context-aware insights and next-step recommendations.

BioNeuraX

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- Live visual intelligence when a camera is available. MedNeura can observe wounds, rashes, and injuries, guiding first aid or escalation in real time.
- Built for low literacy and cultural nuance. It does not just translate language; it understands local expressions and symptoms with clinical precision.
- Offline-capable through local gateways and edge nodes, ensuring reliable access even with poor connectivity.

MalaScan, the portable diagnostic platform

- Compact, field-hardened device that automates sample handling and optical analysis so clinics without labs can run meaningful diagnostics.
- AI driven image analysis designed for diverse populations and variable field conditions.
- Edge-first design for solar and low-power environments with secure sync when connectivity exists.
- Rapid, on-site reporting that shortens the time from symptom to decision.

Key use cases

- A community health volunteer triages febrile children by phone and identifies those needing urgent referral.
- A clinic without a lab screens patients on site and treats common infections or refers complex cases with confidence.
- Outreach teams run diagnostics during mobile campaigns and adjust treatment strategies in real time.
- Emergency responders receive live visual guidance from a remote clinician through MedNeura while ground teams stabilize patients.

Why this matters now

Mobile penetration and compute at the edge are changing what is possible in low-resource settings. Policy makers and funders are prioritizing decentralized care. There is a clear gap between clinical capability and on-the-ground access. BioNeuraX fills that gap with practical, deployable technology built for local conditions.



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Business approach

We pursue a mixed revenue and impact model designed for scale and sustainability:

- Partnerships and licensing to clinics, NGOs, and public health programs.
- Accessible voice and text-based services for individuals with a freemium model to ensure reach.
- Per-diagnostic and per-facility models for device deployments.
- Privacy safe, anonymized data products to support public health planning and research.

Current status and roadmap

- MedNeura MVP completed and undergoing development testing ahead of field deployment.
- MalaScan in prototype development with testing partnerships being explored.
- Near term priorities: controlled pilots with health partners, regulatory alignment, language expansion, and manufacturing readiness.
- Medium term priorities: scale deployments across prioritized regions and integrate with public health systems.

Team

- Emmanuel Aninwezi, CEO and Founder. Biotech background, hardware and software product lead, focused on delivering technology for frontier health challenges.
- Jacob Idoko, Co-Founder and CTO. AI researcher specializing in medical imaging and clinical models, with strong results in international competitions.
- David Eje, Co-Founder and Backend Engineer. Architect of resilient, secure infrastructure for constrained environments.
- Adimbo Amacho, Business Development Officer: Leads strategic partnerships and growth initiatives to drive commercial adoption of the company's frontier health technologies.



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The ask

We are seeking strategic partners and early-stage support to run pilots and accelerate validation. Specifically:

- Health system and NGO partners for controlled field pilots.
- Impact investors aligned with global health equity to fund device validation and scale.
- Technical partners for regulatory navigation and manufacturing scale.

Closing

BioNeuraX is not another health app. We are building the foundational intelligence layer that lets healthcare reach people where they live, speak, and work. We want to deliver practical clinical clarity in the moments that determine outcomes. Join us to build healthcare that simply works for everyone.

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