

Maji-Vibe: Decentralized Water Broker for Rural Africa

"Turning DeFi into Drinkable Water."

Project Description:

Maji-Vibe is a decentralized, AI-assisted water-distribution infrastructure designed for rural communities with limited connectivity. It transforms crypto payments into real-world water access, allowing villagers to buy clean water using blockchain transactions—even on basic 2G networks.

Architecture Overview:

Blockchain (Base L2) processes payments.

AI Bridge (Python) listens to blockchain events and generates lightweight commands.

ESP32 (LilyGO T-Call SIM800L) receives 1–5 byte SMS/GPRS commands to activate pumps.

Use Cases:

- Buy clean water with crypto
- Community water kiosks
- NGO deployment
- Disaster relief

Impact:

Provides transparent, automated, corruption-free clean water distribution for rural Africa.

Why it can win Seedify Vibe Coin program:

- Strong real-world utility
- AI integration via Vibe tools
- High scalability
- Powerful narrative: "DeFi → Water"