

Medugu Wali

Software Engineer · App Developer · Activist

Idu Industrial District, FCT Abuja · 09061950587 · blueparticlestudios@gmail.com

LinkedIn: [MeduguWaliLinkden](#) · GitHub: github.com/WaliMedugu · Portfolio: [Portfolio](#)

PROFESSIONAL SUMMARY

Software engineering student with hands-on experience building mobile and web applications — from concept and design to deployment. Focused on Android-first, privacy-conscious, and offline-capable solutions. Strong interest in cybersecurity, automation, and practical problem-solving tools that work in real-world, resource-constrained environments. Comfortable across frontend, backend, and product design, with a track record of leading independent projects and competitive hackathon teams.

EDUCATION

B.Sc. Software Engineering 2023 - Present
200-Level · Abuja, Nigeria

- Core areas: software engineering lifecycle (SDLC), data structures, networking, mathematics
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EXPERIENCE & LEADERSHIP

Founder & Lead Developer · *Blue Particle Studios* 2023 - Present
Abuja, Nigeria

- Leading all operations, project direction, and development across multiple apps and platforms.
 - Ships independent products spanning mobile, web, automation, and civic tech.
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Founder · *Femn* 2024 - Present

- Established and manages a safety and activism hub connecting minority groups with therapy resources.
 - Built the platform end-to-end: SRS, prototyping, React, and Flutter conversion.
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Director of Social Media · *Nile Model United Nations* 2023 - 2024

- Managed digital presence and communications for Nile MUN across all platforms.
 - Spearheaded medical aid campaigns targeting underprivileged communities.
 - Organized and executed outreach programs providing medical assistance to underserved populations.
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Content Creator · *TikTok / Independent* 2023 - Present

- Develops and manages content focused on mental health awareness, safety, and social activism.
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SEO Writer & Tech Blogger · *Independent* 2023 - Present

- Writes technical and SEO-optimized content for WordPress platforms using Rank Math.
 - Combines product thinking with writing to create content that ranks and informs.
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PROJECTS

Beacora - Location-Based Safety App

- Real-time tracking, emergency beacons, and a privacy override system for trusted connections.
 - Offline alert system using Bluetooth and SMS for low-connectivity environments.
 - Designed around security-first principles with a focus on vulnerable users.
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Global Goals App - Flutter · Firebase · SDG-focused

- Built with Flutter and Firebase; targets Nigeria-specific SDG challenges (poverty, hunger, health, education, gender equality).
 - Combines awareness content with action-based features and ad monetization for impact funding.
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Flutter Voice Assistant - Offline Speech Recognition

- Offline speech recognition using Vosk with an always-on microphone system.
 - Real-time speech display and full session logging.
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Personal Finance App - Mobile · Neumorphic UI

- Tracks balance, expenses, and income with goal-setting and financial history features.
 - Custom neumorphic UI built from scratch in Flutter.
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3D Ocean Basket Website - Vite · Three.js · GSAP

- Ocean-themed UI with animated 3D models, scroll interactions, and GSAP-driven transitions.
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AI-Assisted AST Platform - Concept · Healthcare Diagnostics

- Mobile imaging and AI analysis system with a web dashboard for analytics.
 - Designed specifically for healthcare diagnostics access in African contexts.
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Activism & Movement App - Concept · Civic Tech

- Cause discovery, educational content, news aggregation, and action-based engagement system.
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Biakoro - Personal Project

- Independent personal project currently in development.
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ACHIEVEMENTS

- **Wema Bank Hackaholics 6.0 – Regional Winner with Team Tensor; fintech project "WalletPaddi"**
 - Team Lead & Compiler – directed a team project building a Classroom and Seat Allocation system.
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TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS

Frameworks & Tools: Flutter, Firebase, Kivy, Vite, Three.js, GSAP

Security: Penetration testing

Automation: AutoHotkey v2, Excel workflow automation

Voice / AI: Vosk offline speech recognition, Google Speech API

App Dev: WebView-based app development, Android-first architecture

Design: Figma → code implementation, UI/UX, neumorphic & editorial interfaces

Other: SEO writing (WordPress + Rank Math), product design thinking, SDLC

SOFT SKILLS

Leadership · Project Management · Public Speaking · Community Building · Social Media Strategy · Crisis Communication · Social Activism · Facilitation · Quick Learner · Creative-Technical Thinking

INTERESTS

Speedsolving Rubik's cubes · Violin · Photography · Content creation · UI design
