

# ROBINSON

**Mobile Software Engineer** Nairobi, Kenya | <https://github.com/RobiNormy> | 0757704448 | [mwendwarobinson3@gmail.com]

## PROFESSIONAL SUMMARY

Detail-oriented Mobile Developer and Computer Science student specializing in cross-platform application development using Flutter and Dart. Proven ability to architect, build, and deploy production-ready applications optimized for diverse hardware environments. Experienced in integrating backend services, managing CI/CD pipelines, and writing clean, scalable code. Seeking an industrial attachment to contribute to impactful, high-performance mobile solutions.

## TECHNICAL SKILLS

- **Languages:** Dart, Java (Android Context)
- **Frameworks & SDKs:** Flutter (Mobile & Web)
- **Backend & Cloud:** Firebase (Authentication, Firestore), RESTful APIs
- **Version Control & DevOps:** Git, GitHub Releases, GitHub Actions, CI/CD
- **Tools & Environment:** Linux (Bazzite/Fedora OS), VS Code, App Security (ProGuard/Obfuscation), Secure Secrets Management (.env)

## SOFTWARE PROJECTS

### **BudgetBuddy** | **Lead Developer** (*Flutter, Firebase, Android*)

- Architected and deployed a secure, high-performance expense tracking application tailored for the Kenyan market.
- Engineered a seamless user authentication flow utilizing **Firebase Auth**, implementing persistent local state management to ensure a flawless first-time user experience.
- Optimized application footprint and security for low-end Android devices using ProGuard and code obfuscation, significantly reducing the APK size.
- Managed the full release lifecycle via GitHub, handling version control, resolving merge conflicts, and publishing production-ready Android packages.

### **Clima (Weather Application)** | **Developer** (*Flutter, REST APIs*)

- Built a real-time weather forecasting application providing location-based meteorological data.
- Integrated asynchronous external APIs (OpenWeatherMap) to fetch live data, dynamically updating the UI based on environmental conditions.

- Implemented strict security protocols by isolating API keys and sensitive credentials using environment variables (`.env`) and `.gitignore` configurations.

### **BMI Calculator | Developer** (*Flutter*)

- Created a responsive, utility-focused mobile application calculating Body Mass Index.
- Implemented strict user input validation and dynamic layout scaling to ensure compatibility across multiple screen sizes.

### **PDF-to-Speech Converter | Developer** (*Python, pyttsx3, PyPDF2*)

- Engineered a Python-based accessibility utility that parses local PDF documents and converts extracted text into synthesized audio.
- Integrated the `pyttsx3` library for offline Text-to-Speech (TTS) conversion and utilized Python PDF libraries for efficient text extraction.
- Handled complex string manipulation, document parsing, and local file I/O operations.

## **EDUCATION**

### **Kirinyaga University** *Bachelor of Science in Computer Science*

- **Status:** 2nd Year Student
- **Relevant Coursework:** Software Engineering, Data Structures, Algorithms, Object-Oriented Programming.