

# KILISIO VERONICAH

## Software Engineer

Nairobi, Kenya

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### Professional Summary

Software engineer with 5 years of experience building secure, high-performance Android and iOS applications for fintech, payments, e-commerce, and on-demand services. Currently Software Engineer at Anvil Shield Holdings, leading mobile development across 4 production apps serving 5,000+ users. Proven track record of improving app stability from 50% issue rate to 0.05% - a 1000× improvement - while shipping features that drive measurable user growth and conversion. Expertise in Flutter, native Android (Kotlin), clean architecture, offline-first design, and cross-functional collaboration.

### Core Strengths

- Clean architecture & scalability (BLoC, dependency injection, modular design)
- Performance optimization (99.9% crash reduction, real-time data rendering)
- Offline-first engineering (sync strategies, local-first data)
- API design & integration (REST, gRPC, Firebase, real-time updates)
- Security & compliance (secure financial transactions, encryption, session management)
- CI/CD & DevOps (automated builds, testing pipelines, store deployments)
- Cross-functional collaboration (design, backend, product, compliance teams)

### Technical Skills

**Mobile Development:** Flutter (Dart), Native Android (Kotlin, Java), Native iOS (Swift), Cross-platform development

**Architecture & Patterns:** Clean Architecture, BLoC, Provider, Riverpod, MVVM, SOLID principles

**Backend & APIs:** REST, gRPC, WebSockets, Firebase (Auth, Firestore, Cloud Functions), n8n automation

**Testing & Quality:** Unit/Widget/Integration testing, CI/CD (GitHub Actions, Fastlane), Sentry, Firebase Crashlytics

**Fintech & Security:** Payment integrations (Stripe, M-Pesa, Flutterwave), encryption, biometric auth, compliance

## Featured Projects

### Cross-Platform Money Remittance App

**Context & Problem:** Built a fast, reliable mobile app for international money transfers with real-time exchange rate updates, multi-currency support, and instant transaction confirmation. The challenge was creating a trustworthy, responsive experience that felt secure for users sending significant amounts across borders while maintaining high performance under fluctuating network conditions.

**My Role:** Lead Mobile Engineer – sole mobile developer responsible for end-to-end iOS and Android app delivery.

**Tech Stack:** Flutter, Dart, BLoC, Firebase (auth, analytics, remote config), REST APIs, SQLite, OneSignal push notifications

#### Key Achievements:

- 40% increase in monthly active users (MAU) within 3 months of launch
- 4.6-star average rating on both App Store and Google Play
- 99.95% crash-free rate maintained over 6 months in production
- 25% conversion uplift from onboarding to first completed transaction
- Shipped to 10,000+ users across 2 countries in 12 weeks

### Cross-Platform Financial App for Individuals and Merchants

**Context & Problem:** Built a mobile app supporting everyday financial transactions for individuals and merchants, including top-ups, withdrawals, wallet management and overdrafts. The app incorporated Know Your Customer (KYC) verification for individuals and Know Your Business (KYB) verification for merchants. The challenge was bringing these distinct onboarding and financial workflows into an intuitive, consistent experience across iOS and Android.

**My Role:** Lead Mobile Engineer – sole mobile developer responsible for end-to-end iOS and Android app delivery.

**Tech Stack:** Flutter, Dart, BLoC, Sentry (Analytics), REST APIs, SQLite, OneSignal push notifications.

#### Key Achievements:

- Delivered a unified cross-platform app with tailored journeys for individual and merchant users.
- Implemented KYC and KYB verification flows to support individual and business onboarding.
- Integrated top-up and withdrawal workflows, enabling users to fund their accounts and access their money.
- Delivered overdraft functionality within the mobile experience.
- Structured application state management using BLoC to support distinct user journeys and maintainable feature development.
- Managed end-to-end mobile delivery, from interface implementation and API integration to testing and store releases.

## Loan Application Platform

**Context & Problem:** Built a mobile-first loan application system to replace manual, paper-based processes for a microfinance institution. The app guided users through multi-step forms, verified identity documents via camera upload, performed credit scoring, and provided instant approval feedback - all while working reliably in low-connectivity environments across rural Kenya.

**My Role:** Feature Owner & Mobile Engineer – responsible for architecture, API collaboration, and full delivery from requirements to release.

**Tech Stack:** Flutter, Dart, Provider, REST APIs(.NET) , SQLite, Sentry, Firebase Analytics

### Key Achievements:

- 60% reduction in loan application completion time (45 min → 18 min average)
- 10,000+ applications processed in first 6 months
- 92% approval rate for completed applications, up from 78% in legacy process
- 0.05% crash rate maintained across all releases
- 4.4-star user rating with praise for ease of use and speed

## Multi-Vendor E-Commerce Super App

**Context & Problem:** Consolidated shopping, payments, delivery tracking, and loyalty rewards into a single super app for a growing e-commerce platform. The app needed to support thousands of vendors, real-time inventory updates, personalized recommendations, and seamless checkout while maintaining fast load times and smooth scrolling.

**My Role:** Senior Mobile Engineer – responsible for product catalog module, checkout flow, and performance optimization.

**Tech Stack:** Flutter, Dart, Riverpod, gRPC APIs, Firebase (Firestore, Cloud Messaging), Algolia search, Stripe SDK, Google Maps, Fastlane

### Key Achievements:

- 3× increase in daily active users (DAU) within 4 months of relaunch
- 50% improvement in checkout conversion rate (12% → 18%)
- 60% reduction in app load time (5s → 2s on mid-range devices)
- 4.7-star rating with 25,000+ reviews on Google Play

## Professional Experience

### Software Engineer

*Anvil Shield Holdings-Switchlink Africa | Nairobi, Kenya | April 2024 – Present*

- Lead mobile development for 4 production Flutter apps serving 5,000+ users across fintech and on-demand services

- Improved app stability from 50% issue rate to 0.05% - a 1000× improvement through architecture refactoring and testing
- Built cross-platform money remittance app achieving 4.6-star rating and 40% MAU growth in first quarter
- Designed loan application platform that reduced completion time by 60% and processed 10,000+ applications
- Established CI/CD pipelines, code review standards, and mobile best practices for 3-person engineering team
- Collaborated with backend engineers to design APIs optimized for mobile performance and offline-first UX
- Mentored 3 junior engineers on Flutter, testing, and mobile architecture

## Mobile Developer (Contract)

*Freelance / Nairobi, Kenya | March 2020 – December 2023*

- Built and shipped 8 Flutter apps for clients in e-commerce, edtech, logistics, and health sectors
- Delivered multi-vendor e-commerce super app with real-time inventory, payment integrations, and order tracking
- Implemented performance optimizations that reduced cold start time by 60% and improved scroll FPS by 40%
- Consulted on mobile architecture, state management, and testing strategies for early-stage startups

## Junior Android Developer

*Cowriotech Limited / Nairobi, Kenya | June 2019 – February 2020*

- Developed native Android features for on-demand delivery app using Kotlin and Android SDK
- Integrated Google Maps SDK for location tracking and route optimization
- Collaborated with design team to implement Material Design UI/UX
- Wrote unit and instrumentation tests, maintained 70% code coverage

## Education

### Bachelor of Science in Information Technology

*Multimedia University of Kenya / Nairobi, Kenya | Graduated: 2019*

## Certifications & Professional Development

- Flutter & Dart – The Complete Guide (Udemy, 2021)
- Advanced Android Development (Google Developer Training, 2020)
- Clean Architecture for Mobile Apps (Coursera, 2022)
- API Design and Backend Collaboration (LinkedIn Learning, 2023)

## Community & Open Source

- Mentor: Coached 5 junior Flutter developers through Andela Learning Community program
- Writer: Published 3 technical articles on Medium covering Flutter performance and fintech mobile UX

## Let's Build Something Great Together

I'm currently open to senior mobile engineering roles, staff engineer positions, and technical leadership opportunities at product companies and fintech startups. If you're looking for someone who can design, build, test, and ship high-quality mobile apps while mentoring teams and shaping technical strategy, let's connect.

**Email: [kilisionicah@gmail.com](mailto:kilisionicah@gmail.com)**

LinkedIn: [linkedin.com/in/kilisio-veronicah-089b81205](https://www.linkedin.com/in/kilisio-veronicah-089b81205) | GitHub: [github.com/KilisioVeeNairobi](https://github.com/KilisioVeeNairobi), Kenya | Open to remote and hybrid roles