
TIMOTHY SEREM

Android Developer | Kotlin, Jetpack Compose

Nairobi County, Kenya | kipkoritimerserem@outlook.com | LinkedIn | GitHub

From offline-first geospatial field tools to Google Play launches and AgTech dashboards - a track record of end-to-end delivery and long-term codebase ownership.

PROFESSIONAL EXPERIENCE

Android Developer | Jan 2024 - Present

Compwiz Creations | Nairobi County, Kenya

- Spearheaded the technical architecture and development for InfoRange, an ICT application enhancing rangeland management and veterinary access for pastoralists in Kenya and Namibia.
- Collaborated directly with local stakeholders and co-design teams during field visits across Marsabit, Sololo, and Ngurunit, translating real-world pastoralist needs into actionable product features.
- Defined the MVP, feature scope, and initial technical architecture.
- Engineered offline-first capabilities for areas with reduced network coverage - migrating mapping infrastructure to MapLibre and using offline map tiles for reliable geospatial data access.
- Migrated legacy code to Jetpack Compose and championed Clean Architecture, producing a modern, modular, maintainable, and testable codebase.
- Implemented Ktor-based networking for scalable client-server communication and synchronization of user-generated pasture data.
- Mentored junior developers via code reviews and technical guidance.
- Optimized performance - improved load times by 25% and significantly reduced crash rates.

Frontend Web Developer | Oct 2022 - Dec 2023

Lima Labs | Nairobi County, Kenya

- Engineered scalable frontend web applications for Lima Labs' AgTech suite, enabling growers to visualize real-time field data, AI-driven crop-health insights, and yield forecasts.
- Built high-performance dashboards translating complex agricultural datasets (drone imagery, early pest detection) into actionable insights, driving product adoption.
- Enhanced core products (Yield Predict, Crop Vision) with new data-visualization features and rendering optimizations for large-scale farm data.
- Maintained high system reliability for commercial teams by proactively resolving production issues.
- Modernized engineering workflows by integrating emerging front-end technologies.

Android Developer | Jun 2020 - Sep 2022

Compwiz Creations | Nairobi County, Kenya

- Managed the end-to-end release lifecycle for a portfolio of 3 mobile applications on the Google Play Store, maintaining high ratings and strict store compliance.
- Architected backend integrations using RESTful APIs and Firebase for real-time data sync, secure authentication, and crash analytics.
- Ensured stability and code quality via comprehensive unit and end-to-end testing pipelines.

Android Developer Intern | Jan 2020 - Apr 2020

Compwiz Creations | Nairobi County, Kenya

- Contributed to development and maintenance of Android applications in Kotlin and Java.
- Partnered with product and design teams to translate UI/UX requirements into features.
- Streamlined QA cycles by identifying, debugging, and resolving defects prior to release.
- Researched and prototyped emerging Android libraries.