

DERRICK KIPKEMOI

ANDROID DEVELOPER

Mobile: +254-793927966 Email: engr.kipkemoi@gmail.com

Personal Summary

I am a highly skilled and results-driven Android developer with over 3 years of professional experience in developing and optimizing native Android applications. My expertise lies in Kotlin and Java, where I leverage these languages to create robust, efficient, and high-quality software solutions. I am passionate about clean coding practices and adhere to the Clean Architecture, MVVM design pattern, DRY, and KISS principles to ensure clean, maintainable, and scalable code. My experience includes successful stints with both freelance projects and full-time roles. I have led the design and development of an Android applications with appealing and intuitive UI/UX, wrote concise and idiomatic code using Kotlin, and implemented manual and automation testing for bugs and bottleneck fixes. My problem-solving mindset, coupled with my proficiency in both native Android apps and Compose Multi-platform, positions me as a valuable asset to your development team. My goal is to continue growing as a developer, embracing new challenges, and contributing to impactful projects that push the boundaries of technology.

Core Competencies

- **Android App Development:** Expert in crafting robust and efficient native Android applications using Kotlin and Java.
- **Kotlin:** Expert in Kotlin programming, leveraging its modern features for efficient, clean and idiomatic code.
- **Jetpack Compose:** Expert in Jetpack Compose which is a modern toolkit for building native android UI. It accelerates and simplifies UI development with less code, powerful tools and intuitive Kotlin APIs
- **Android Jetpack:** Skilled in using Android Jetpack components to streamline development and enhance app functionality.
- **Kotlin Coroutines:** Expert in Kotlin Coroutines which is a concurrency design pattern to simply background services for threads that executes asynchronously.
- **MVVM, MVC, MVP:** Proficient in utilizing MVVM, MVC, and MVP architectural patterns to build scalable and maintainable applications.
- **DI with KOIN/HILT:** Experienced in implementing

dependency injection using KOIN and HILT to ensure loosely coupled code for better code modularity and testability.

- **Retrofit:** Adept at using Retrofit for seamless API integration
- **RESTful APIs:** Experience with integrating RESTful APIs to connect Android applications to back-end services
- **Android Room-db and Preference DataStore:** Skilled in implementing Room-db and Preference DataStore for local data persistence and offline data storage in Android apps.
- **Clean Architecture:** Knowledgeable in applying Clean Architecture principles to create well-structured and maintainable code bases.
- **App Testing using JUnit, Mockito, Espresso, real and emulated android devices:** I am experienced and performing app unit tests, UI tests and Instrumentation testing using JUnit, Mockito, Espresso, real and emulated devices to ensure efficient error free and streamlined android app across different android versions and devices
- **ExoPlayer:** Proficient in integrating ExoPlayer for advanced and data handling in Android applications.
- **MongoDB:** Experienced in using MongoDB for efficient No-SQL database management and data storage.
- **Android Studio:** Proficient in using Android Studio as the primary IDE for Android development, optimizing workflow and debugging.
- **Git:** Experienced in version control using GitHub, ensuring smooth collaboration and code management.
- **Compose Multi-Platform:** I am currently learning Compose multi-platform to be able to build android, iOS, web and desktop app with shared code and UI using Kotlin and Jetpack Compose respectively
- **Communication Skills:** I am good at communicating my thoughts clearly for easy collaboration with cross-functional teams.
- **Problem Solving:** Skilled in analyzing complex issues and devising innovative solutions to optimize software performance.
- **Team Leadership:** Adept at leading development teams, fostering collaboration, and driving project success.

Education

December 2012 - December 2017

Masinde Muliro University of Science and Technology

Bachelor of Science in Computer Science

2012 - 2016

Tengecha Boys High School

Kenya Certificate of Secondary Education (KCSE)

2008 - 2011

Work Experience

Android Developer

Freelancer, Kenya

January 2020 - Present

- Developed native Android applications for prestigious clients, demonstrating over 3 years of expertise in the field.
- Utilized Kotlin and Java to write robust, efficient code, adhering to clean coding standards and principles like DRY (Don't Repeat Yourself) and KISS (Keep It Simple, Stupid).
- Conducted unit and automated testing to ensure high-quality software performance and reliability.
- Produced well-documented code to facilitate easy maintenance and future updates.
- Implemented UI/UX best practices to enhance user satisfaction and application usability.
- Experienced in optimizing data management with both NoSQL and SQL databases.
- Integrated APIs to enable seamless communication between applications.
- Developed sophisticated web services to extend application functionality and improve user experience.

Android Developer

Angello Pharmaceuticals, Bomet, Kenya

January 2023 - December 2023

- Led UI/UX design and development efforts, excelling in requirement analysis, creative design solutions, and agile implementation.
- Mastered advanced screen layouts with custom components, Action Bars, and Lazy Columns to ensure dynamic and responsive interfaces.
- Maintained UI/UX consistency across various Android devices, including mobiles and tablets, for optimal performance.
- Collaborated effectively in daily scrum meetings, contributing to strong team dynamics and project progress.
- Integrated Google Maps API for real-time location-based services, enhancing user experience with updated hospital and pharmacy data.
- Explored and implemented Android 12 features, focusing on network security enhancements such as certificate pinning and secure connection protocols.
- Implemented Room database integration for efficient offline data caching and application performance improvement.
- Enhanced code quality and efficiency by 20% through automated testing and unit tests, leading to a 30% reduction

in bug-related issues.

- Applied Pro-guard for code optimization, obfuscation, and size reduction, resulting in a streamlined, high-performance application.
- Implemented UI, Unit testing, and Instrumentation testing using JUnit, Mockito and Espresso

ReactJS Developer

Hela Capitals Ltd, Location

February 2022 - September 2022

- Collaborated with UX/UI design teams to enhance application aesthetics and functionality.
- Crafted responsive and visually appealing app UI using React Js from the design frameworks
- Did code reviews to maintain and ensure ensure efficient, robust, testable, maintainable and scalable app.
- Improved code quality and reduced debugging time by implementing automated testing and unit tests.
- Maintained active communication with stakeholders, achieving over 95% satisfaction with delivered solutions.

Software Developer Intern

Family Health International (FHI 360), Location

September 2017 - September 2019

- Worked with UX/UI design teams to enhance user interface aesthetics and development efficiency.
- Developed responsive, cross-browser web pages using HTML5, CSS3, and JavaScript.
- Optimized web components for peak performance across various web-enabled devices.
- Implemented automated testing frameworks and unit tests, reducing bugs and improving code quality.
- Actively participated in team coordination and daily SCRUM meetings for streamlined project management.
- Executed website deployment, including live server launch, domain configuration, reverse proxy setup, and SSL certification

ICT Clerk

Independent Electoral and Boundaries Commission (IEBC), Nakuru, Kenya

May 2017 - August 2017

- Delivered first-level ICT support services, resolving technical issues to maintain optimal operational efficiency at the tallying center.
- Enhanced user experience by promptly addressing service

requests and inquiries, facilitating effective workflow.

- Prepared, configured, and tested KIEMS kits to ensure readiness for election processes.
- Collaborated with C-ICT to provide technical assistance to Presiding Officers, Deputy Presiding Officers, and clerks during elections.
- Maintained KIEMS kits in peak condition, ensuring consistent functionality and full charge.
- Executed data backup and restoration protocols for KIEMS kits to safeguard electoral integrity.
- Trained Support Electoral Trainers, Presiding Officers, Deputy Presiding Officers, and Clerks, contributing to electoral staff development.
- Fulfilled additional responsibilities as directed by the Returning Officer, demonstrating versatility and commitment

Online Handles

Github: <https://github.com/derekkipkemoi>

Stackoverflow: <https://stackoverflow.com/users/11355493/derrick-kipkemoi>

LinkedIn: <https://www.linkedin.com/in/kipkemoi-derrick/>

Referees

Available on request.