

DERRICK KIPKEMOI.

Mobile: +254-703927966 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 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 DRY and KISS principles to ensure maintainable and scalable code. My experience includes successful stints with both freelance projects and full-time roles, where I've consistently demonstrated proficiency in MVVM and Clean Architecture. At Angello Pharmaceuticals, I led the design and development of intuitive UI/UX features, integrated advanced APIs, and implemented Android 12 security enhancements. My commitment to excellence is reflected in a 20% boost in code quality and a 30% reduction in bug-related issues through rigorous automated testing. My problem-solving mindset, coupled with my proficiency in both front-end and back-end technologies, positions me as a valuable asset to any 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

- **AndroApp Development:** Expert in crafting robust and efficient native Android applications using Kotlin and Java.
- **ReactJS App Development:** Proficient in building responsive, cross-browser web applications with ReactJS.
- **GitHub VCS:** Experienced in version control using GitHub, ensuring smooth collaboration and code management.
- **Team Leadership:** Adept at leading development teams, fostering collaboration, and driving project success.
- **Problem Solving:** Skilled in analyzing complex issues and devising innovative solutions to optimize software performance.
- **MVVM, MVC, MVI:** Proficient in utilizing MVVM, MVC, and MVI architectural patterns to build scalable and maintainable applications.
- **Kotlin:** Expert in Kotlin programming, leveraging its modern features for efficient and clean code.
- **Android Jetpack:** Skilled in using Android Jetpack components to streamline development and enhance app functionality.
- **DI with KOIN/HILT:** Experienced in implementing dependency injection using KOIN and HILT for better code modularity and testability.
- **ExoPlayer:** Proficient in integrating ExoPlayer for advanced media playback features in Android apps.
- **Retrofit:** Adept at using Retrofit for seamless API integration and data handling in Android applications.
- **MongoDB:** Experienced in using MongoDB for efficient NoSQL database management and data storage.
- **Android RoomDB:** Skilled in implementing RoomDB for local data persistence and offline capabilities in Android apps.

- **Android Studio:** Proficient in using Android Studio as the primary IDE for Android development, optimizing workflow and debugging.
- **Clean Architecture:** Knowledgeable in applying Clean Architecture principles to create well-structured and maintainable codebases.

July 2023 - August 2023

Masinde Muliro University of Science and Technology

Bachelor of Science in Computer Science

2012 – 2016

Education

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 Proguard for code optimization, obfuscation, and size reduction, resulting in a streamlined, high-performance application.

ReactJS Developer

Hela Capitals Ltd, Location

February 2022 – September 2022

- Collaborated with UX/UI design teams to enhance application aesthetics and functionality.
- Crafted responsive, cross-browser web pages using HTML5, CSS3, and JavaScript (React, Saga).
- 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.

Web Developer

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 centre.
- 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 CICT 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

<https://github.com/derekki>

<https://stackoverflow.com/>

<https://www.linkedin.com/feed/>

<https://play.google.com/store/apps/developer?id=messagetrackapps>

Referees

Available on request.