

# DERRICK KIPKEMOI

## Mobile App Developer

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### Professional Summary

A dedicated and result-oriented Software Developer with over 3 years of hands-on experience in building and optimizing native Android and web-based applications. Skilled in **Kotlin, Java, JavaScript, React**, and various Android development tools, I have a deep passion for creating clean, maintainable, and scalable code, adhering to MVVM, Clean Architecture, and industry best practices. I bring expertise in **Jetpack Compose, Retrofit, Kotlin Coroutines, Dependency Injection** (HILT, KOIN), and have experience in automating workflows with CI/CD pipelines. Additionally, I am proficient in designing, deploying, and managing scalable cloud infrastructure on **AWS**, as well as managing databases such as **MySQL, PostgreSQL, and NoSQL**. I also have proficiency in *\*Linux/nix systems*, enabling efficient development and deployment in Unix-based environments. I'm driven to solve complex problems while ensuring efficient, user-centric applications and looking forward to contributing to impactful projects in a collaborative team environment.

### Core Competencies

**Android App Development:** Proficient in creating high-quality native Android apps using Kotlin and Java.

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- **CI/CD Pipelines:** Experienced in implementing CI/CD pipelines to automate testing, build, and deployment workflows (using tools like Jenkins, GitHub Actions, CircleCI, and Bitrise).
- **Cloud Infrastructure:** Knowledgeable in designing, deploying, and managing scalable cloud infrastructure on AWS, including services like EC2, S3, RDS, and Lambda.
- **Jetpack Compose:** Expertise in modern UI development using Jetpack Compose.
- **MVVM, MVP, MVC Architectures:** Proficient in using design patterns for scalability and maintainability.
- **Kotlin Coroutines & Concurrency:** Expertise in managing background tasks and concurrency with Kotlin Coroutines.
- **Retrofit & RESTful APIs:** Seamless integration with backend services using Retrofit and RESTful APIs.
- **Database Administration (DBA):** Skilled in managing

## Professional Experience

MySQL, PostgreSQL, and NoSQL databases, including database design, query optimization, and troubleshooting.

- **Data Management:** Experience with Room-db, Preference DataStore, and offline data handling.
- **Testing & Quality Assurance:** Proficient in using JUnit, Mockito, Espresso for unit and UI testing.
- **Version Control (Git):** Expertise in Git for version control and team collaboration.
- **Team Collaboration:** Strong communicator and team player, collaborating with cross-functional teams for optimal project delivery.

### Android Developer

*Freelancer, Kenya*

**January 2020 - Present**

- Developed and maintained native Android apps for diverse clients using **Kotlin** and **Java**.
- Implemented **UI/UX** best practices to enhance user experience and application performance.
- Integrated APIs and databases (**Room-db**, **MongoDB**) for dynamic app functionality and offline capability.
- Conducted comprehensive **unit** and **automation testing** to ensure app stability and performance.
- Contributed to code documentation and knowledge-sharing across teams for easy codebase maintenance.

### Android Developer

*Angello Pharmaceuticals, Bomet Kenya*

**January 2023 - December 2023**

- Led **UI/UX** design, developing intuitive interfaces with custom components for mobile and tablet devices.
- Integrated **Google Maps API** for real-time location services and hospital data updates.
- Enhanced app security by implementing Android 12 features like **certificate pinning**.
- Improved code performance through **Room-db** integration, leading to optimized data caching.
- Delivered a 30% reduction in bugs through enhanced **automated testing**.

### ReactJS Developer

*Hela Capitals Ltd*

## February 2022 - September 2022

- Collaborated with UX/UI teams to deliver responsive and visually appealing web applications.
- Improved app efficiency through code reviews and automated testing, increasing stability by 20%.
- Maintained active communication with stakeholders, achieving over 95% satisfaction.

## Software Developer Intern

*Family Health International (FHI 360) /USAID*

## September 2017 - September 2019

- Developed cross-browser, responsive web pages using **HTML5, CSS3, and JavaScript**.
- Actively contributed to daily **SCRUM** meetings and collaborative project management.
- Optimized web components for maximum performance across web-enabled devices.

## ICT Clerk

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

## May 2017 - August 2017

- Provided first-level ICT support, ensuring operational efficiency during electoral processes.
- Configured and tested **KIEMS kits**, ensuring their readiness for election day.
- Trained and supported electoral officers in technical matters, enhancing overall performance.

## Education

### Bachelor of Science in Computer Science

Masinde Muliro University of Science and Technology

## December 2012 - December 2017

### Kenya Certificate of Secondary Education (KCSE)

Kericho High School

## 2008 - 2011

## Technical Skills

**Languages:** Kotlin, Java, ReactJS, JavaScript, HTML5, CSS3

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- **Frameworks/Tools:** Jetpack Compose, Retrofit, HILT, KOIN, Room-db, MongoDB, AWS (EC2, S3, RDS, Lambda), Jenkins, GitHub Actions, CircleCI, Bitrise
- **Database Administration:** MySQL, PostgreSQL, NoSQL (MongoDB)
- **Testing:** JUnit, Mockito, Espresso
- **Version Control:** Git, GitHub

- **IDEs:** Android Studio, VS Code

