

# JONES K MBINDYO

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**GitHub:** <https://github.com/RocqJones>

## WORK EXPERIENCE

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### Senior Android Engineer

August 2022 - PRESENT

### mTek Services (Hillcroft Technologies Ltd)

Nairobi, Kenya (Hybrid)

I collaborate with cross-functional teams to develop new products and automate processes, optimizing app performance and ensuring successful project delivery. I follow modern Android architectures, specifically the MVVM architecture, to enhance maintainability and testability.

Key Achievements:

- Introduced and championed the adoption of MVVM architecture for Android development, resulting in cleaner code separation, improved testability, and a more maintainable codebase.
- Maintain and optimize the Android SDK, written in Java and Kotlin. Focus on improving business logic and app efficiency, which will significantly boost customer retention and product sales.
- Led the team in scaling the app with third-party integrations, emphasizing improved reusability, reliability, and security.
- Conducted comprehensive code reviews and mentored peers, fostering continuous learning and improved code quality.
- Introduced tagging to personalize customer recommendations and generate insurance policy quotations based on user's previous interactions with the app.
- Implemented a CI/CD pipeline to automate app deployments to the Play Store console and Introduced feature flags using Firebase, enabling remote control of product features in production.

### Software Engineer(Android & Backend)

April 2021 - July 2022 (1yrs 4 mos)

### Extra Inch Technologies Ltd.

Nairobi, Kenya (Onsite)

Led all aspects of software development (architecture, performance, code review, tooling) for optimized quality, team productivity, and project delivery. Other Expertise includes:

- Built modern Android apps using Kotlin, maintained legacy codebase, ensuring bug fixes and stable, high-performing applications (improved user experience and customer satisfaction).
- Integrated payment systems (e.g., Safaricom Daraja) for seamless user experience, streamlined processing, and a 5% revenue increase.
- Designed scalable RESTful APIs (C#, Python) for enhanced system scalability, improved application performance, and efficient high-traffic handling.
- I have implemented efficient relational databases, stored procedures, and SQL functions (MS SQL) for optimized data management and streamlined client operations (e.g., financial reports, audit logs, credit score calculations).
- Led the Android Development team and created technical documentation for effective communication, collaboration, and knowledge sharing.

## Android Engineer

January 2021 - March 2021 (3 mos)

As an Android developer, I provided leadership in the mobile application development process, delivering progress reports, planning, designing, and developing user flow for the mobile stack with Figma. Through my contributions, we successfully launched an Edu application with an enhanced user experience, increasing customer satisfaction and positive user feedback.

## EldoHub Innovation & Technologies LTD.

Eldoret, Kenya (Hybrid)

## Full Stack Software Developer

January 2018 - Dec 2020 (3 yrs)

As a full-stack developer, I developed and implemented web applications and back-end systems. My expertise in system architecture, programming, and API integration streamlined development, ensuring efficient project delivery, optimized system performance, and improved user experience. Designed relational database architecture for streamlined data management, efficient processing, and enhanced scalability.

## Freelancer.com

Voi, Kenya (Freelancer)

## EDUCATION

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### TAITA TAVETA UNIVERSITY - Degree

AUGUST 31, 2016 - December 4, 2020,

Bachelor of Business Information Technology

*LEADERSHIP:* Mictec official & DSC-TTU Co-lead

## PROJECTS

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### mTek App

<https://play.google.com/store/apps/details?id=com.hillcroft.apps.mtek>

The platform allows customers to purchase Insurance directly from the Insurer, Compare Insurance Policies, and file claims through their smart devices.

### Britam Micro Insurance Advisor

<https://play.google.com/store/apps/details?id=com.hillcroft.apps.britam>

The app helps Britam agents explore diverse Insurance Products within the platform enabling them to buy through Installments, from the convenience of their phones.

### Ngao Credit

<https://play.google.com/store/apps/details?id=com.extrainch.ngaocredit>

M-Banking app offers quick logbook loans, asset finance, loans against shares, and import finance.

### Verona Huruma

<https://play.google.com/store/apps/details?id=com.extrainch.vhs>

It allows quick access to transaction history and account statements, manages junior accounts and short-term loan applications, and allows withdrawals from your wallet straight to your mobile money wallet.

### Incredo - KKVL

<https://play.google.com/store/apps/details?id=com.extrainch.kkvl>

It provides a secure and quick way to access short-term loans from your Android device.

### Field Source

<https://play.google.com/store/apps/details?id=com.apps.fieldsource>

A platform for managing, scheduling, and monitoring field team activities in real time.

## SKILLS

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- **Programming Languages:** Kotlin, Java, and Python.

- **Mobile Development:** Android(Kotlin & Java) MVVM, SDK, Material Design, Retrofit, Volley, Dagger2, offline caching with Room DB, coroutines (Flow), Jetpack Compose.
- **Databases:** MS SQL, Mongo DB & Firebase
- **REST API:** Flask Framework & ASP.NET Core (C#)
- **Others:** Version Control(GIT), Web Scraping, Data Analysis, and Data Structures & Algorithm.

## AWARDS

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- Google Africa Developer Scholarship (Android) by Google and Andela
- IEEEExtreme Programming Competition 14.0 by IEEE.
- AWS Machine Learning Scholarship by Udacity.
- Google Developer Solution Challenge (DSC-TTU 2020) by Google.

## ARTICLES (PUBLICATIONS)

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- Dev Community - <https://dev.to/rocqjones>