

# JONES K MBINDYO

Nairobi, Kenya

+254 791 423 697

[jonesmbindyo@gmail.com](mailto:jonesmbindyo@gmail.com)

LinkedIn: <https://www.linkedin.com/in/jones-mbindyo>

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

## WORK EXPERIENCE

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### Mid-Level Android Engineer

August 2022 - PRESENT

### Hillcroft Technologies Ltd (mTek Services)

Nairobi, Kenya (Hybrid)

As a mid-level engineer, I collaborate with senior engineers, project managers, and engineering managers to drive the creation of new products, enhance existing ones, and identify gaps in the company's product offerings. With my expertise, I lead efforts to re-engineer the existing codebase and offer system performance improvement suggestions, resulting in successful project delivery, enhanced product quality, and optimized system performance. Other contributions include but are not limited to:

- Optimized Android SDK by identifying and eliminating inefficiencies in app code; reduced app startup time by 25% and increased overall performance by 15%.
- Collaborating with the design team on creating stunning UI/UX and improving user experience and app rating to 4.6/5.
- Implemented a Test-Driven Development approach to write and maintain internal software tools, resulting in higher code quality, faster feedback, and easier maintenance.
- Designed and implemented scalable and maintainable application architecture, resulting in increased reusability, security, and overall quality of the application.
- Utilized Kotlin and followed OOP principles to write both low-level and high-level code, resulting in a well-organized and maintainable codebase with improved efficiency and faster development.
- Conducting thorough code reviews and providing mentorship to peers to broaden their technical proficiency, resulting in improved code quality, increased knowledge sharing, and a culture of continuous learning.

### Software Engineer- Android

April 2020 - July 2022 (2yrs 4 mos)

### Extra Inch Technologies Ltd.

Nairobi, Kenya (Onsite)

"I actively engaged in all stages and aspects of software development, including architecture design, system performance evaluation, conducting thorough code reviews, and internal tool management. My contributions resulted in optimized software quality, increased team productivity, and efficient project delivery, enabling the organization to meet and exceed its business objectives.

- Building modern Android applications using Kotlin and maintaining an Android/Java codebase by efficiently tracking and fixing bugs, creating stable and high-performing Android applications, leading to enhanced user experience and increased customer satisfaction.
- Successfully integrated payment systems from third-party providers such as Safaricom Daraja, a telco, and bank, resulting in a seamless payment experience for customers, streamlined payment processing, and increased revenue for the organization by 5%.
- Designed and implemented scalable RESTful APIs using C# ASP.NET Core and Python Flask frameworks, resulting in enhanced system scalability, improved application performance, and increased efficiency in handling high-traffic loads.

- Efficiently structured, designed, and implemented relational databases, along with building stored procedures and SQL functions using MS SQL. The use of stored procedures allowed for the generation of financial income statements, keeping logs for auditing and cost analysis, and calculating credit scores, resulting in optimized data management and streamlined business operations for our clients.
- Provided leadership to the Android Development team and created comprehensive technical documents, resulting in effective communication and collaboration between team members, successful project delivery, and enhanced technical knowledge sharing.

### **Junior Android Engineer**

January 2019 - March 2020 (1 yr 3 mos)

### **EldoHub Innovation & Technologies LTD.**

Eldoret, Kenya (Hybrid)

As a junior 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, leading to increased customer satisfaction and positive feedback from users.

### **Full Stack Software Developer**

February 2017 - Dec 2019 (2 yrs 11 mos)

### **Freelancer.com**

Voi, Kenya (Freelancer)

As a full-stack developer, I was responsible for the overall development and implementation of web applications and back-end systems. With my expertise in designing system architecture, high-level programming, and API integration, I streamlined the development process, resulting in efficient project delivery, optimized system performance, and improved end-user experience.

- Expertly designed and implemented relational database architecture, resulting in streamlined data management, efficient data processing, and enhanced system scalability.
- Proficiently building complex data structures, efficiently troubleshooting software, and expertly resolving bugs, leading to the creation of stable and high-performing software applications and enhanced end-user experience.

## **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.

### **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>

Allows quick access to your accounts, view your guarantors, view mini & full statements, manage junior accounts, and short-term loan applications, and withdraw from your wallet straight to your Mpesa mobile money wallet.

**Incredo - KKV** <https://play.google.com/store/apps/details?id=com.extrainch.kkv>

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 while performing merchandising, field sales, and promotion operations.

## SKILLS

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- **Programming Languages:** Kotlin, Java, Python, & C#.
- **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), HTML5, JavaScript, 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.
- Enterprise Design Thinking Practitioner by IBM.

## ARTICLES (PUBLICATIONS)

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