

# Samuel Juma

**Mobile:** +254 798 114 462

**Github:** <https://github.com/samueljuma>

**Email:** samueljuma1024@gmail.com

**Linkedin:** <https://www.linkedin.com/in/samueljuma/>

## SUMMARY

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I am a native Android developer with 3–4 years of experience in the field. Using Kotlin and Modern Android Development skills, I create scalable and robust applications with a key focus on enhancing user experience and app usability. Besides Android development, I have developed a keen interest in cloud AI solutions and have been actively exploring their applications on the mobile platform.

## WORK EXPERIENCE

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### **BuuPass**

Mobile Engineer

**Nairobi, KE**

July 2024 - Present

- Developed a mobile-based ticketing POS system for bus agents, automating the ticketing process and improving transaction speed by 30%, resulting in a smoother customer experience and increased operational efficiency.
- Collaborated with designers and product managers to implement intuitive user interfaces that improved app usability, reducing user drop-off rates by 20% in key app features.
- Optimized the app's codebase by refactoring legacy code, which reduced app crashes by 25% and improved load times by 15%, leading to higher customer satisfaction.

### **Freelance Developer**

Native Android Developer

**Nairobi, KE**

Jan 2023 – May 2024

- Managed the full app lifecycle, including testing, debugging, and optimizing performance, achieving a 95% reduction in post-launch issues and ensuring smooth, high-quality user experiences.
- Optimized app performance through code refactoring and integration of best practices, which improved load times by 20% and reduced memory consumption, leading to smoother user interactions on low-end devices.

### **PWD Gigs | Eldohub**

Software Developer

**Nairobi, KE**

Oct 2021 – Jan 2023

- Refactored the organization's primary website code, optimizing for performance and scalability, which resulted in a 30% reduction in page load times and smoother user experiences across devices.
- Developed a mobile application to extend the reach of the organization's services, improving user engagement by 40% and providing users with greater access to content on the go.
- Enhanced website accessibility features, implementing industry-standard practices (e.g., WCAG) to cater to users with disabilities, which increased the website's usability and broadened its user base by 15%.

- Prototyped and designed website and mobile application features using tools like Figma, ensuring seamless translation of concepts into functional web features that aligned with user needs and business goals.
- Collaborated with cross-functional teams of designers, developers, and product managers to ensure consistent alignment throughout the development process, improving project delivery time by 20%.
- Improved accessibility to the organizations primary website by incorporating accessibility features to cater for users with disability.

## *Projects*

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### ❖ **SuperStocks**

Github: <https://github.com/samueljuma/SuperStocks>

SuperStocks is a compose multiplatform project that gets Realtime data for the top #10 companies around the world, by market capitalization. I am getting the data from the Financial Modelling Prep (FMP) API

### ❖ **Upcoming Movies**

Play Store: <https://play.google.com/store/apps/details?id=com.samueljuma.upcomingmovies>

This is a simple movies application that fetches upcoming movies and displays them to users. It helps users to get vital information on which movies are upcoming so users can plan when to watch them.

Github: <https://github.com/samueljuma/Upcoming-Movies>

### ❖ **Writers Diary**

Github: <https://github.com/samueljuma/Writers-Diary>

A fully-offline simple note-like application for writers to track orders both as clients and as writers themselves. Ideally, the app serves as a record for orders whether pending, completes, paid etc.

## *Skills*

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**Programming Languages:** Kotlin, Java, JavaScript, Python

**Mobile Development:** Android (Kotlin & Java), MVVM, Material3, Retrofit, Ktor, Room, Coroutines, Jetpack Compose, Dependency Injection (Koin, Hilt), Kotlin Multiplatform Mobile (KMM), Compose Multiplatform.

**Cloud:** Microsoft Azure, Azure AI

**Databases:** MySQL

**Others:** Github, Figma, Asana, Jira, BitBucket.

## *Education*

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**Taita Taveta University**

B. Sc. Mathematics and Computer Science

**Thunderbird School of Global**

**Management**

Transformational Digital Leadership

**African Leadership Experience**

Professional Foundations

**Voi, KE**

2016 – 2021

**Remote, Arizona State University**

2021

**Nairobi, KE**

Aug 2024 – Oct 2024

## *Certifications*

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Microsoft Certified: [Azure Fundamentals](#)

Microsoft Certified: [Azure AI Fundamentals](#)

Microsoft Certified: [Azure AI Engineering Associate](#)