

Maku Pauline Mazakpe

Software Developer

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WORK EXPERIENCE

Freelance Android Engineer, Teheca - April/2023 - June/2023 - Kampala, Uganda

A health start up based in Kampala, that offers quality maternity and baby care products on both local & global standards at affordable prices.

- Optimize and implement the shop and cart features.
- Bug fixing, performance optimizations, and code optimization.

Android Engineer, Accenture - August/2022 - April/2023 - Nairobi, Kenya

A start up based in Nairobi, Kenya that offers software development services.

- Worked on and successfully merged certain issues on an open-source project called oppia android, as part of the apprenticeship process.
- Build, maintain and scale android projects while adhering to the Agile methodologies and best practices.

Software Developer, Pelel Enterprises - April/2021 - March/2022- Arua City, Uganda

A start up based in Northern Uganda, whose goal is to help farmers simplify their real life difficulties through IT.

- Developed & maintained a fully auto-scalable infrastructure using Laravel/Lumen deployed to AWS, delivering a backend application that is able to rapidly scale up and down based on the load.
- Created the landing page interface in Javascript, CSS, HTML, and VueJS.
- Forecast & optimized cloud infrastructure costs on AWS, reducing 60% of the total expenses related to the operations.
- Built, implemented and maintained a user-friendly, reactive and multi modular application using Android / kotlin, demonstrating MVVM architecture, repository pattern, jetpack libraries, coroutines, kotlin flow, Dagger Hilt while focusing on client's needs.
- Integrated software monitoring and error tracking tools like Sentry, Firebase analytics, code pipeline, github actions, improving developer productivity by 80%.

Android Developer, Elimu- November/2019 - August/2020 - Nairobi, Kenya

One of the most talked about Ed-tech companies in Africa and the leading digital educational content provider in East Africa.

- Integrated the use of agile methodologies like sprints, daily stand ups, using tools like trello to organize and assign tasks, etc. This continuous delivery and improvement enabled the team to develop more user centric applications.
- Bridge the communication gap between the Business Development team and the users by implementing the firebase Cloud messaging feature, which enabled the BD team to effectively deliver notifications to the users, increasing interactivity by over 30% in 5 months.
- Built and maintained new features all while migrating the app to using modern standards like Kotlin extension functions, sealed classes, data and view binding, the repository pattern, etc. This removed a lot of boilerplate code all while boosting developer productivity.

PREVIOUS EXPERIENCES

- **Remote Freelance Android Developer, Accenture** - June/2021 - Present - Nairobi, Kenya
- **Freelance Web Developer, Infotech** - January/2021 - July/2021 - Arua, Uganda
- **Volunteer Web Developer, Onita** - December/2020 - August/2021 - Arua, Uganda

PROJECTS & COLLABORATIONS

Elimu Apps:

<https://play.google.com/store/apps/details?id=com.easyelimu.www.easyelimu&hl=en&gl=US>

Oppia Android: <https://github.com/oppia/oppia-android>

Teheca App: A project Better experience for new mothers finding nurses, shopping for the prenatal kit and sharing maternal experiences on the forum ([Play store](#)).

Pombe: An MVVM alcohol cocktail application([Github Link](#)) ([Play store](#)).

EDUCATION AND CERTIFICATES

2018 **B.Sc. in Information Technology**, Uganda Christian University

Certificate in Software Development - Moringa School - 2018

TECHNICAL SKILLS

(4+ years): Android, Kotlin, Java, Android SDK, MVVM, OOP, Repository pattern, DI, Caching.

(4+ years): Firebase, authentication, firestore, crashlytics (WEB & Android).

(4+ years): Git, Github, Version Control.

(2+ years): Laravel/Lumen, Rest Apis, Mysql, VM's, Bash.

(3+ years): VueJS, html, css, netlify, namecheap.

(2+ years): MEEN STACK, nodejs, express js, mongoDB, heroku.

(Open Source): <https://github.com/oppia/oppia-android>.

LANGUAGES

English - Level of Proficiency (Fluent)