OLIVER MUTHOMI

Software Developer

Github:
github.com/muth0mi

LinkedIn:
linkedin.com/muth0mi

Skills

Oliver Muthomi

Egerton University

Nairobi, Kenya

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Email: oliver.mwitia@gmail.com

Nationality: Kenyan

Languages: English and Kiswahili

1. Mobile Development

   Native Android With Java and Kotlin
   Native iOS With Swift
   Hybrid With Flutter and React Native
   Cross-Multiplatform With Kotlin Multiplatform

2. Server-Side Development

   Java (Spring)
   Kotlin (KTOR, Spring)
   PHP (Laravel, Yii)
   Python (Django, DRF)

3. Web Frontend Development

   Javascript (React JS, Vue JS, Next Js)
   PHP (Laravel Blade)

4. Database Management

   Relational Databases (Postgres, MySQL)
   NoSQL Databases (MongoDB, Firebase)

5. Dev-Ops and Orchestration

   Docker Swarm & Kubernetes management

   CI and CD (Github Workflows, Jenkins)

   Monitoring (Elastic stack, Dynatrace)

Experience

Safaricom PLC / Senior Software Engineer

June 2023 - Present, Nairobi

My roles are the company are:

1. Enhance and scale Falcon (an enterprise sales management sytem)
2. Spearhead decoupling of the Falcon project into Java spring microservices and a React front-end
3. Develop a native Android app for the Falcon project

Safaricom PLC / DevOps Engineer

December 2020 - June 2023, Nairobi

My roles are the company are:

1. Monitor the company's systems (Mpesa G2, Mpesa App, Safaricom App, Subreg App).
2. Offer second level support to Mpesa.
3. Work with a team to develop G1 Mpesa Local Copy Statement service. A system for Mpesa support staff to generate user statements on demand.
4. Handling change management using work instructions given by the development / support teams
5. Identifying and developing automation initiatives within the company.
6. Work with team to develop an enterprise sales management solution dubbed Project Falcon

TruehostCloud Limited / Full-Stack Software Developer

May 2020 - November 2020, Nairobi

My roles are the company are:

1. Develop software projects and plugins for the web hosting company.
2. Develop, test, deploy and support a WYSIWYG website builder and online shop, www.olitt.com.
3. Perform code reviews for junior team members

Musoni Microfinance / Junior Software Developer

August 2019 - April 2020, Nairobi

Major roles were:

1. Maintain existing software infrastructure and optimize older implementations for efficiency.
2. Developing new software projects as requested by business to facilitate and enhance business processes.
3. Work with partners to integrate with their infrastructure as well as provide API gateways to partners to allow them to access the Musoni's infrastructure.
4. Test, train, and support stakeholders at the inception of delivered new software projects.
5. Integrate various in-house business systems with the Musoni System (based on MifosX) MFI management system.

Projects

Project Falcon / 2022

Staff Product / Enterprise Sale Management System

Falcon is an enterprise management platform built for internal staff at Safaricom PLC to facilitate and manage enterprise sales.

Checki Library / 2021

OpenSource / Android Library

This library is provided using the jitpack repository and is useful to check both Network and Internet Connection Status in Android projects.

Link to the project:

https://github.com/muth0mi/checki

Olitt Website Builder / 2020

TruehostCloud / Web App

Olitt is a single page website builder that allows users to easily create websites by dragging and dropping elements, integrate with marketing and payment collection services and buy and manage domains which is the main business by TruehostCloud.

Link to the project:

https://www.olitt.com

DroidCon Kenya Android App / 2020

OpenSource / Android App

DroidCon is an international developer conference held in different parts of the world to exchange and share knowledge regarding Android development. I contribute to the development of the event app for the 3rd DroidCon in Kenya to be held in August 2020.

Link to the project:

https://github.com/droidconKE/droidconKE2020App

Android Mpesa Library / 2019

OpenSource / Android Library

This is an Android library that helps Android developers to easily integrate Mpesa payments within their android apps. It was initially developed by [Juma Allan](#) and is maintained by 4 developers at the moment with myself included. My major contributions have been migrating the whole codebase from Java to Kotlin, fixing issues raised by users as well as optimizing for performance and maintainability.

Link to the project:

https://github.com/jumaallan/android-mpesa-api

Musoni Meetings App / 2019

Musoni / Android App

This is an Android app I built for Musoni Microfinance to monitor group meetings for their group lending customers.

This project is distributed only to internal Musoni Staff.

EUCOSSA Hub / 2019

EUCOSSA / Android

EUCOSSA Hub is an Android app I built for the Computer Science Students Association at Egerton University to share skills and host discussions at community levels depending on their interests in the computing space.

Link to the project:

https://play.google.com/store/apps/details?id=ac.ke.egerton.eu
cossa

Community, Contributions & Discussions

Android 254 Meetup / OpenBar Panelist

November 2021

This is an open forum to discuss various issues within the
Mobile development world alongside other experts in the field.

The whole session is recorded and available via this link:
https://youtu.be/F4-7CtU9zag

Vodacom Hackathon / Participant

September 2021

This is an annual hackathon organized by the Vodacom for all
it's OPCOs. With a team of 5 we developed an Mpesa miniapp
that could connect professionals to job opportunities and
training institutions to get trained and accredited for their skills.

Android 254 Meetup / Introduction to Kotlin Multiplatform (KMM)

August 2021

Kotlin multiplatform is a paradigm offered by Jetbrains via
several libraries. It aims to allow users to abstract common
components of their projects targeting different targets
(Android Phones, iPhones, USSD, Smartwatches, TVs, Web, …).
In this presentation, I introduce the community to KMM and
highlight various perks and cons of utilizing it in it's alpha

stages.

Link to the presentation:

https://youtu.be/dgpYbdBAtIQ?t=2664

Android 254 Meetup / Let's Learn Jetpack Compose

February 2021

Jetpack Compose is Android's modern toolkit for building native UI. It simplifies and accelerates UI development on Android. Quickly bring apps to life with less code, powerful tools, and intuitive Kotlin APIs. In this session, I introduced the community to Jetpack Compose.

Link to the presentation:

https://youtu.be/CPkSB6NQP5Y?t=5109

Education

Egerton University / Bsc. Computer Science

October 2015 - June 2019, Nakuru Kenya

The lecturers in the Computer Science department, EUCOSSA (Egerton University Computer Science Students Association) community members, GDG Rift Valley, DSC Egerton, and many other opportunities I got during my time at the campus helped me acquire and sharpen my programming skills.

ZALEGO Institute of Technology and Innovation / Mobile Software Development Certification

January 2015 - June 2015, Nairobi Kenya

Zalego taught me how to write neat and functional code.

Skills Acquired:
1. Android application development
2. Web development: front-end and back-end
3. Mobile Web and CMS
4. Windows Phone application development
5. SMS Programming
6. USSD application development

Chogoria Boys High School / Kenya Certificate of Secondary Education

January 2011 - November 2014, Chogoria Kenya

St. Eugenia Primary School / Kenya Certificate of Primary Education

January 2003 - November 2010, Meru Kenya

Forums Attended

Mozilla House Kenya / Mozilla Foundation

2023 (Nairobi Kenya)

11 Weeks of Android / Android 254

2020 (Android 254, GDG Nairobi)

Google Africa Developer Scholarship / ALC

2019 (Andela, Google, Pluralsight)

Living Open-Source Bootcamp / LOSF

July 2019 University of Nairobi, Nairobi Kenya

DevFest Rift Valley / GDG Moi

November 2017 Moi University, Eldoret Kenya

DevFest Nairobi / GDG Nairobi

November 2017 Strathmore, Nairobi Kenya

Google Launchpad Build / Google Africa

September 2016 Nairobi Kenya

Referees

Ethredah Chao, MS

Software Developer, Microsoft.
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Schooled together at Egerton University and worked on

projects together afterwards.

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David Murimi, MR

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Worked together at Truehost Cloud Limited.

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