Alex Maina Mwangi

Nairobi City, Nairobi. • 0719 531 828 • mainahmwangi12@gmail.com • www.linkedin.com/in/alex-maina-b72014217

Software Engineer

With over five years of development experience, I have led teams in the startup and SaaS product spaces. I have fostered a growth mindset to drive continuous improvement. At Badili Africa and Mamlaka Hub Spoke Limited, I scaled operations, resulting in a 40% increase in SEO rankings, a 33% enhancement in user retention, and a 50% surge in user engagement.

SKILLS

- **Web:** ReactJS, NextJS, CSS, Jest, Typescript.
- **Database:** MongoDB, SQL, Firebase.
- **Mobile:** Kotlin, Jetpack Compose, Flutter, Dart, SwiftUI.

- **Backend:** Javascript, NodeJS, Express, Go, Redis.
- **Cloud:** GCP, AWS.
- **CI/CD:** Github, BitBucket, Jenkins, ShoreBird.

WORK EXPERIENCE

Mamlaka Hub Spoke Limited • January 2025 - Present
Full Stack Developer

- End-to-End Application Development
- Security and Compliance
- API Design and Integration
- Payment and Transaction Handling
- Data Management and Analytics
- Scalability and Performance
- CI/CD and DevOps Collaboration
- Domain Knowledge and Communication

Badili Africa • February 2024 - December 2024
Full Stack Developer

- Developing high-quality software design and architecture
- Identifying, prioritizing and executing tasks in the Agile development environment.
- Developing tools and applications by producing clean, efficient code.
- Automating tasks through appropriate tools and scripting.
- Reviewing and debuging code.
- Performing validation and writing unit test cases.
- Documenting development phases and monitor systems.
- Ensuring software is up-to-date with latest technologies.

More Classifieds • November 2023 - January 2024
Mobile Application Developer

- Developed mobile apps for Android and iOS, enhancing business-to-vendor and user interaction.

- Ensured the company's business logic was met through digital mobile experiences. - Improved app speed by managing state, caching data, and using industry-standard security techniques.

- Deployed apps on Google Play Store and App Store and maintained code.

- Integrated Flutterwave as a payment gateway for cashless and online payments.

Website *https://more.co.ke/*

Google Play - *https://play.google.com/store/apps/details?id=ke.co.more&hl=en*

AppStore - *https://apps.apple.com/ke/app/moreclassy/id6467541340*

Big Boss Label • September 2023 - December 2024
Senior Software Engineer(Consultant)

- Integrate payment gateways for the system – Pesapal & MPESA.

- Led in the development of BBL mobile apps(iOS and Android) to complement company's customer's facing website.

- Oversee the ideation, designing and development of company's websites.

- Lead User Experience Design to build seamless user interfaces and experience.

Google Play - *https://play.google.com/store/apps/details?id=com.bbl.services&pli=1*

Move Fare Technologies • September 2022 - August 2023
Senior Software Engineer

- Developed a Mobile App for Cashless Matatu Payment, increasing Cashless Matatu payment by 30%.

- Work directly with the CTO, to ensure we align the company's core business logic, resulting to a 10% increase in revenue.

- Develop and maintain dashboard to measure Company's KPIs and communicate insights with CMO using Google Sheets.

- Oversaw the integration of payment gateways including MPESA and Core Banking which was used for user top up and realtime settlement with the saccos.

Amerix Broadband Communication • July 2022 - September 2022
Lead Frontend Engineer

- Developed Mobile Application for Social Media, improving Social Media experience and audience engagement by 18%.

- Saved Company over 5 hours by creating a system architecture flowchart to track the development of the system.

- Oversee the redesigning of User Experiences that led to improved User's engagement by 50%.

- Developed Messaging micro-service to allow users send and receive messages helping solve 5+ bug fixes in the service and customer satisfaction.

Bestypie LTD • February 2021 - July 2022

Frontend Developer

- Worked a developer and point of communication between UI/UX Designers and 10+ backend developers.

- Prepared documentations, presentations and decreased time it took to document features by 32%.

Trulance Communications • January 2020 - April 2020

Practicum Student

- Improved software documents assessment and other documenting styles to aid in best documenting method for software.

- Attended meetings and interacted with 8+ clients, help strategize over 3 project implementation and documentation.

PROJECTS

TripHoppa

- **TripHoppa Website ->** *https://triphoppa.com/*

- **TripHoppa iOS ->** *https://apps.apple.com/ke/app/triphoppa/id6736841581*

- **Triphoppa Android ->** *https://play.google.com/store/apps/details?id=com.triphoppa.encounter&hl=en*

MFlex(Both User and Professional)

- **Mflex Android -> (User)** - *https://play.google.com/store/apps/details?id=client.mflex.co.ke&hl=en*

- **Mflex Android -> (Professional)-** *https://play.google.com/store/apps/details?id=professional.mflex.co.ke&hl=en*

Machakos University App

Machakos University Android -> *https://play.google.com/store/apps/details?id=com.machakosuniversity.student&hl=en*

EDUCATION

Bachelor of Science (Computer Science)

• Machakos University

2017 – 2021

Certifications

- **2022 –** Completed SwiftUI Bootcamp (iOS / MacOS, SwiftUI)

- **2023 –** Completed Web Development Bootcamp (ReactJS, NodeJS & MongoDB)