Alex Maina Mwangi

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Software Engineer

Professional Summary

Full Stack Developer with 5+ years of experience in web and mobile development across startup and SaaS environments Led teams that achieved 40% increase in SEO rankings, 33% improvement in user retention, and 50% rise in user engagement. Expertise in end-to-end application development, API design, payment integrations (MPESA, Pesapal, Flutterwave), CI/CD pipelines, and agentic AI applications. Key contributor to GPAY fintech app in Cameroon.

TECHNICAL SKILLS

• **BackEnd:** Amazon S3, Amazon SQS, AWS Lambda, Express, Node.js, Go

• **FrontEnd:** Javascript, Next.js, React.js, Typescript, Vue.js

• **Database:** Amazon DynamoDB, MongoDB, MySQL, PostgreSQL

• **Other:** Docker, Git, GitHub, GitLab, Jest, React Testing Library

WORK EXPERIENCE

Mamlaka Hub Spoke Limited • January 2025 - December 2025

Software Engineer

- Designed and deployed agentic AI applications automating payments processing and customer support, reducing response times by 40% within 3 months.

- Led development of GPAY mobile fintech app for Cameroon, streamlining daily financial transactions for thousands of users.

- Built scalable microservices architecture with focus on security, implementing CI/CD pipelines for efficient deployment.

Badili Africa • February 2024 - December 2024

Software Engineer

- Developed high-quality software architecture using React and TypeScript, improving code maintainability through strict code reviews and testing strategies.

- Collaborated with cross-functional teams within Agile environments; implemented comprehensive unit tests achieving 85% code coverage.

More Classifieds • June 2023 - December 2023

Software Engineer

- Developed Android/iOS apps enhancing business-to-vendor interaction; integrated Flutterwave payments leading to 50% decrease in transaction processing time.

- Deployed apps on Google Play Store and App Store; improved app performance via state management and caching optimizations.

- Designed and developed customer-facing website and company dashboards.

Move Fare Technologies • February 2021 - March 2023

FrontEnd Engineer

- Spearheaded development of Cashless Matatu Payment app, increasing cashless payments by 30% and contributing to 10% revenue growth.

- Integrated MPESA and Core Banking APIs for user top-up and real-time SACCO settlements.

PROJECTS

Pocket of Paradise • December 2025 - January 2026

- Completely revamped front-end design using React.js, resulting in significant increase in conversion rates, user engagement, and overall site performance.

- Collaborated with cross-functional remote teams to develop analytics dashboard helping organizations track KPIs, user retention, and revenue metrics.

PORTFOLIO LINKS

- **GitHub:** github.com/Karumaidoi|LinkedIn: linkedin.com/in/alex-maina-b72014217

- **Apps:** play.google.com/store/apps/details?id=ke.co.more/apps.apple.com/ke/app/triphoppa/id6736841581

- **Websites:** mam-laka.com|badili.ke|more.co.ke|triphoppa.com|app.yeshara.network

EDUCATION

- **Bachelor of Science in Computer Science**

  Machakos University (2017 - 2021)