

ENOS OTIENO OKELLO

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Location: Nairobi, Kenya

SUMMARY

Versatile Software Engineer with over 5 years of experience designing and building scalable, high-performance applications across mobile, web, and backend platforms. Skilled in Flutter, React Native, Swift, Java, Kotlin, and Python (Django), with a strong background in developing cross-platform solutions that enhance user experience and operational efficiency. Experienced in automation solutions using Google MLKit (OCR, Face, and Text Recognition) and in building document-processing workflows for PDF, Excel, and ID verification.

Known for writing clean, maintainable code, solving complex problems, and continuously learning to deliver high-quality, cross-platform solutions. Passionate about innovation, performance optimization, and translating complex business processes into intelligent, user-centric digital products.

WORK EXPERIENCE

Senior Flutter Developer, Dentsu

April 2024 – Current

- Translated complex business process flows into scalable software solutions, improving internal workflow efficiency.
- Increased app user rating from 2.9 to 4.1 stars, enhancing customer satisfaction.
- Built and maintained responsive web apps using Flutter Web to support client and internal operations.
- Integrated and tested RESTful APIs, cutting average API failure rate by 50% through improved error handling, custom exception logic, and retry mechanisms.
- Handled app deployment and updates on both Play Store and App Store, reaching thousands of active users.
- Delivered polished client demos and walkthroughs, enhancing transparency and accelerating approval processes.
- Reduced app load time by 40% during maintenance cycles by optimizing Flutter widget trees and minimizing redundant rebuilds, resulting in improved performance and responsiveness.

Mobile Engineer, PesaKit LTD*May 2022 - March 2024*

- Migrated existing native Android applications to cross-platform solutions using Flutter, reducing codebase complexity and cutting development time by over 40%.
- Implemented business process flows into intuitive, user-friendly mobile interfaces aligned with client and internal requirements.
- Integrated Google MLKit (OCR, Face, and Text Recognition) in a citizenship registration app for Ghana, enabling faster and more reliable data capture that improved onboarding efficiency by 65%.
- Developed and maintained cross-platform mobile applications for Android and iOS, supporting day-to-day fintech operations.
- Enabled offline functionality for critical app features, boosting usability in low-connectivity environments by 35% and enhancing overall user experience.
- Integrated and tested multiple backend API endpoints, ensuring seamless functionality and secure data transactions.
- Managed end-to-end deployment on the Google Play Store and Apple App Store, including versioning, updates, and bug fixes.
- Cut app crash rate by 60% through rigorous testing and implementation of Firebase Crashlytics for real-time error monitoring and resolution.

Mobile Application Developer, Only The Best Labs*February 2021 - June 2022*

- Collaborated with clients to define project timelines, ensuring clear expectations and timely delivery of mobile solutions.
- Developed and deployed new features based on client requirements, contributing to improved user satisfaction and retention.
- Built, debugged, and maintained a stable and scalable mobile codebase, ensuring consistent app performance across Android and iOS platforms.
- Ensured final deliverables met business requirements, design specifications, and functional criteria through rigorous testing and review.
- Took on leadership roles in team meetings, driving technical discussions and aligning development efforts with project goals.

Flutter Mobile Developer, Workflek Technologies*June 2021 - May 2022*

- Guided UI/UX design processes and created intuitive screen flows to enhance user experience.
- Developed and maintained cross-platform mobile applications using Flutter for both Android and iOS.
- Integrated and tested backend APIs, ensuring reliable data exchange and application performance.
- Deployed applications to production environments, managing release cycles and updates.
- Presented demos to clients, gathering feedback and aligning deliverables with expectations.

Flutter Mobile Intern, Workflek Technologies*March 2021 - June 2021*

- Documented technical requirements and application flow to support clear and structured development.
- Translated UI designs and wireframes into responsive Flutter application screens.
- Integrated RESTful APIs into the application, enabling dynamic data handling and backend connectivity.

EDUCATION

Bachelor of Science in Information Technology

September 2021

Masinde Muliro University of Science and Technology – Kakamega, Kenya

- Completed a comprehensive 4-year program with a strong focus on software development, covering both theoretical and practical aspects of programming, systems analysis, and application design.
- Graduated with Second Class Honours, Upper Division, demonstrating consistent academic performance and technical proficiency.

VOLUNTEER PROJECTS

- Led a team of four in a national Health IT Hackathon (2019), building digital health solutions for DHIS2 and iHRIS and secured 3rd place among 12 teams.
- Supported development of the CPIMS mobile app, a government-backed system enhancing child protection services across Kenya.

SKILLS

Programming Languages: Java, Kotlin, Swift, Dart, Python.

Frameworks & Platforms: Android, iOS, Flutter, Web, React Native, Django .

Automation: Google MLKit (OCR, Face, Text Recognition), Web scraping, and Document automation workflows (PDF, Excel, ID processing).

Mobile App Development: Cross-platform development, App localization, Animation, App theming, Push notifications (Firebase), Real-time database, Google Maps API, Google Places API, ID documents scanning, Geolocation services, Offline storage, Mobile UI and UX design, Mobile app architecture.

Testing & Debugging: Unit testing, Integration testing, End-to-end testing, Mobile app testing, Crash reporting, Testing and debugging, Troubleshooting.

Development Practices: Object-oriented programming (OOP), Algorithms, Data Structures, Software development, Coding standards, Code refactoring, Dependency injection, MVVM pattern, Strong problem-solving skills, API integration, JSON mapping, Security best practices, Continuous integration and Continuous deployment(CI/CD), Performance tuning, Production support.

Tools & Version Control: Git, GitHub, Bitbucket, CodeCommit, Azure Devops.

Project & Process Management: Agile environment, Teamwork and collaboration, Cross-functional collaboration, Project coordination, Communication, Time management, Mentorship, Problem solving, Leadership, Stakeholder management, Team Management, Accountability, Growth mindset.

Cloud Services: Firebase, Supabase, Appwrite (Authentication, Cloud Functions, Realtime DB, Firestore, Cloud Messaging, Hosting).