

David Rufai

Software Engineer - Mobile

Lagos, Nigeria | ysenruf@gmail.com | [Github](#) | [LinkedIn](#) | [Portfolio](#)

A **Mobile Software Engineering** professional with over 7 years of experience delivering delightful, scalable mobile experiences. Passionate about enhancing user experiences and elevating app performance and design. Proven track record of contributing fresh ideas and pushing the boundaries of what mobile technology can achieve in a dynamic and collaborative environment.

SKILLS

- Kotlin, Java, Swift, Dart (Flutter), React Native
- Kotlin Multiplatform Mobile
- Test Driven Development
- Dependency Injection (Dagger, Koin, Hilt, GetX)
- REST / GraphQL
- App Architecture (MVVM, MVP, MVI, Multi-Module)
- Firebase / Google Cloud / Azure
- Asynchronous Programming (RxJava, Kotlin Coroutines / Flows)
- Agile Methodology
- CI / CD (Github, Azure Dev Ops, Appcenter, Gitlab, Fastlane)
- System Design
- TensorFlow
- Test Frameworks (JUnit, Mockito, Espresso, Appium, TDD, BDD)
- State Management(Bloc, Provider)

PROFESSIONAL EXPERIENCE

Senior Android Engineer - Kindred

London UK | June 2023 - Present

- Created a "best savings coupon" feature automation using Android's accessibility service, yielding 18-40% savings per order.
- Developed custom Android browser apps as proof of concept, showcasing API integration to guide partners in utilizing Kindred's proprietary technology.
- Refactored SDK architecture to MVP pattern, improving unit and instrumentation testing capabilities.
- Improved the efficiency of our development process by actively contributing to code reviews and technical discussions. Leveraged my expertise in mobile architecture to provide insightful suggestions and identify potential improvements.
- Optimized SDK performance using the Android studio profiler, significantly reducing crashes and ANRs across 40+ million devices.
- Implemented automated security checks in Azure DevOps pipelines, identifying and fixing 6 critical vulnerabilities.
- Expanded user base diversity by implementing localized SDK to support 10+ languages, including RTL languages like Arabic.
- Added more development platform support for our technology by creating a Flutter Package Proof of Concept by combining existing Android and iOS SDKs.

Lead Mobile Engineer - MyCover AI

Lagos Nigeria | September 2022 - May 2023[Contract]

- Developed robust product SDKs in Native Android, iOS, Flutter, and React Native, enabling third-party developers to seamlessly integrate our insurance policies into their platforms.
- Developed our insurance app using Flutter, Firebase, and REST APIs, simplifying policy management and purchases for customers.
- Integrated image processing and identification capabilities in Flutter using TensorFlow and machine learning models.

- Crafted clear and concise documentation for our SDKs, facilitating smooth and efficient integration into various third-party applications.
- Developed and implemented new product features using Jetpack Compose and Kotlin, enhancing the user experience and significantly reducing app startup time.

Android Engineer / Tech Support - Contextual

Sydney, Australia | June 2021 - March 2023.

- Enhanced our development process by automating CI/CD pipelines in GitLab, facilitating the continuous integration, testing, and deployment of our SDK and demo apps. This resulted in a 30% boost in delivery speed.
- Streamlined SDK integration process by 3 steps using modern Android APIs.
- Boosted product adoption through regular client calls, offering tailored technical support and comprehensive onboarding.
- Created a Proof of Concept SDK for our product using Flutter.
- Created a cross-platform React Native package, integrating our Android and iOS SDKs.
- Enhanced our SDK efficiency by reducing network calls and integrating WebSockets, enabling real-time updates.

Mobile Engineering Lead - WePrototype Technologies

Lagos Nigeria | Jan 2020 - Feb 2021

- Led a 4-person mobile dev team, managing hiring and growth, utilizing JIRA to streamline processes and meet deadlines.
- Engaged closely with product management, aligning team deliverables with product roadmap through regular discussions, enhancing the overall development process.
- Designed and implemented innovative features for proprietary Android applications used across phones and tablets. Leveraged my expertise in Java & Swift to optimize performance and user experience.
- Published and managed mobile applications on both Google Play Store and Apple App Store, ensuring cross-platform availability.
- Implemented push notifications using Firebase Cloud Messaging, improving user engagement.
- Implemented native features across iOS(Swift) & Android(Kotlin) using platform channels in Flutter.

Android Developer - Madesoftlogic Technologies

Lagos Nigeria | February 2019 - November 2019

- Developed Android apps with clean, modular, robust code using Java and XML with Android Lollipop SDK and later migrated to a higher SDK platform supporting different screen sizes.
- Translated Design wireframes to high-quality Android applications, and collaborated with cross-functional teams to define, design, and launch new features.
- Adopted material design components to help modernize the UI while also improving user experience in our client's app.
- Integrated user authentication system leveraging REST APIs and Google Firebase, enhancing app security and user management.
- Implemented Chat feature using WebSocket and Firebase.

Android Developer - Freelance

December 2017 - September 2018

- Implemented a feature utilizing NFC APIs to retrieve information stored on NFC-enabled tags.
- Built reliable & robust Android apps using Java and material design concepts following best practices.
- Collaborated with backend teams to integrate RESTful APIs, ensuring seamless data flow between mobile apps and server-side services.
- Worked with Google Maps & Google Places API to mark locations on a Map for a mobile app feature.

EDUCATION & INTERESTS

Bachelor of Science: Information Technology

Middlesex University | London, UK

Languages: Native in English & Yoruba, Basic Spanish

Interests: Basketball, Martial Arts & AR/VR