

# KAYUMBA TSHIKWAT NATHAN

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## PERSONAL SUMMARY

Creative and passionate Mobile Application Developer with a strong foundation in Android development using Kotlin and Java. Adept at crafting seamless user experiences with Jetpack Compose and XML, and implementing robust, scalable applications through MVVM and Clean Architecture. Highly experienced in integrating RESTful APIs, managing persistent data with Room, and navigating complex app workflows with WorkManager and Navigation Component. Known for delivering clean, maintainable code and collaborating effectively with cross-functional teams. Committed to innovation, continuous learning, and building mobile solutions that truly impact users' lives.

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## CORE COMPETENCIES

- Android app development (Kotlin/Java) proficient in building high-performance Android applications using Kotlin and Java. Whether starting from scratch or maintaining existing apps, I ensure clean, efficient, and scalable code that meets both client and user needs. My strength lies in understanding the nuances of both languages, and applying them effectively to deliver robust mobile solutions.
- UI/UX design with Jetpack Compose and XML. I craft intuitive and visually compelling user interfaces that elevate the user experience. Using Jetpack Compose for modern, declarative UI, and XML for traditional layouts, I bring ideas to life with precision. I believe good design is not just how it looks, but how it works, and I put that into every interaction and flow I build.
- RESTful API and backend integration. I excel at connecting apps to powerful backends using RESTful APIs, from parsing JSON/XML to handling complex data synchronization. I make sure that the app communicates securely and efficiently with servers. I take pride in ensuring smooth, real-time user experiences, backed by solid server communication.
- Version control and CI/CD (Git, Gradle). My development process is driven by best practices in version control and automation. Using Git for collaboration and Gradle for build automation, I ensure every stage—from development to deployment—is seamless, efficient, and stable. I believe in clean commits, smart branching, and reproducible builds.

## SKILLS

- Kotlin
- Java
- Jetpack Compose
- XML Layout Design
- MVVM Architecture
- Clean Architecture
- Android SDK
- Room Database
- WorkManager
- Navigation Component
- Android Studio
- Git Version Control
- Gradle Build Automation
- RESTful API Integration
- JSON/XML Parsing
- UI/UX Optimization
- Debugging & Troubleshooting
- Mobile App Deployment
- Continuous Learning & Adaptability

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## PROFESSIONAL EXPERIENCE

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### Mobile Application Developer Freelance

01/2022 to Current

- Designed and developed native Android applications using Kotlin, Jetpack Compose, and MVVM architecture, focusing on performance, clean code, and a great user experience. Apps span domains such as media, education, and productivity.
- Built and maintained mobile features like text-to-speech conversion, offline data caching (Room, DataStore), real-time notifications, and RESTful API integrations, improving app accessibility and engagement.
- Successfully delivered projects like a Movie Search App, a File-to-Audio Note App, and a Christian Meditation App, each applying modern Android practices and demonstrating end-to-end mobile development skills.
- Collaborated with clients and mentors to understand project needs, propose scalable architecture, and ensure delivery with attention to detail, performance, and future maintainability.
- Employed best practices with Git, Gradle, and modular app architecture, ensuring code stability and making onboarding or handoff smooth for collaborators or future enhancements.

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## EDUCATION

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GRADUATE: SOFTWARE ENGINEERING

05/2024

HIGHER SCHOOL OF COMPUTER SCIENCE (<https://www.esisalama.com/>)

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## PORTFOLIO

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- <https://github.com/nathan79-c>
- <https://www.linkedin.com/in/nathan-kayumba-a5a02b19b/>

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## ADDITIONAL INFORMATION

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- nathan kayumba (HASHNODE), Music Enthusiast and content writer

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## LANGUAGES

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English: First Language

English:

B2

French:

C2

Upper Intermediate (B2)

Proficient (C2)