Kweku Armah

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Summary

• Android Engineer with 6+ years experience, certified Professional Scrum Developer (PSD-I), and a Kotlin Multi Platform (KMP) enthusiast.
• Developing maintainable, scalable, robust and testable apps with high code coverage, code quality and readability, while applying contemporary software engineering practices and tooling.

Experience

Mobile Application Developer

Self Employed

Dec 2023 - Present (4 months)

Multiplatform Quiz App

• Developed Android and iOS quiz app using Kotlin Multi Platform and Compose Multiplatform.
• Developed companion desktop application for quiz administration using Kotlin and Compose Desktop (running on MacOS, Windows and Linux)
• Added Firebase Crashlytics for crash reports on mobile apps
• Implemented REST API in PHP
• Added Ktor for REST API calls from Mobile and Desktop app.
• Used MVVM for Mobile Architecture Design
• Followed Clean Code and Clean Architecture guidelines
• Used Koin for dependency injection
• Used Moko Resources for resource management
• Added Kotlin Realm for local database management and offline support
• Used Datastore to store key-value pairs
• Serialized network data transfer objects using Kotlinx serialisation
• Used Voyager multiplatform navigation library for screen navigation

Google Play Store
• https://play.google.com/store/apps/details?id=com.kweku.armah.dokimos.examiner&pcampaignid=web_share

App Store
• https://apps.apple.com/us/app/dokimos-quiz-app/id6477700133

Android Developer

Align Technology

Oct 2022 - Nov 2023 (1 year 2 months)
• Introduced Jetpack Compose for UI development
• Redesigned wearable (watch) app in Jetpack Compose
• Restructured app and introduced Clean Code, Clean Architecture and SOLID principles
• Handled and resolved technical debts

• Increased test coverage by adding unit test, while removing flaky tests.
• Improved DevOps process by refactoring CI pipeline configurations to reduce build time by 40%.
• Investigated, debugged and fixed complex issues in app, for instance, caught a third-party library bug which made app unavailable to all devices on PlayStore
• Resolved security issues reported in Checkmarx
• Collaborated and worked cross-functionally with Designers, QAs, PO and DevOps,
• Production environment support
• Added benchmarking to compare application performance over releases.
• RESTful API and Apollo GraphQL integration
• Mentored and trained junior developers.
• Go-to person when team members face very challenging issues

Google Play Store
• https://play.google.com/store/apps/details?id=com.aligntech.myinvisalign&pcampaignid=web_share

Android Developer
OffBlock.aero

Jul 2022 - Sep 2022 (3 months)
• Feature development in Kotlin and Jetpack Compose
• Setup app architecture using MVVM and following Clean Architecture guidelines
• RESTful API integration and JSON
• Unit Testing
• Worked in Scrum Team and collaborating with Designers and Backend engineers

Senior Software Engineer
Extentia Information Technology

Apr 2021 - May 2022 (1 year 2 months)
Project: Android Automotive for Electric bike
• Led feature development for app, using MVVM
• Integrated Bluetooth-LE connectivity for data transmission between mobile and bike cluster
• Integrated HERE map for navigation
• Handled animations for the cluster and built responsive UI using ConstraintLayout
• Used coroutines and flows to receive hardware related date from JNI APIs
• Integrated Firebase Crashlytics
• RESTful API integration
• Code reviews and code refactoring

Google Play Store
• https://play.google.com/store/apps/details?id=com.tvsm.connect&pcampaignid=web_share

Software Professional
Extentia Information Technology

Jun 2019 - Apr 2021 (1 year 11 months)
• Developed and maintained features in Java
• Refactored Bluetooth-LE layer, increasing performance and stabilising connectivity, leading to increase in Playstore ratings, from 3.4 to 3.8
• Resolved 30+ bugs and performance issues within a month of joining project

- RESTful API integration
- Go-to person for customer issues
- Integrated Azure Event Hub to generate live analytics data for RND team
- Handled app deployment to Play Store
- Handled map navigation issues raised by app users
- Worked with project manager on project report preparation

Google Play Store
- https://play.google.com/store/apps/details?id=com.tvsm.connect&pcampaignid=web_share

Android Developer

FoxData TECHNOKARTS Private Limited
Nov 2018 - Jun 2019 (8 months)
- Feature development in Java
- RESTful API integration
- Payment gateway integration
- Coordinating with backend engineers and designers
- Assisting team members

Education

Kwame Nkrumah University of Science and Technology, Kumasi

Bachelor's degree, Computer Science

Sep 2008 - May 2012

Licenses & Certifications

Professional Scrum Developer™ I (PSD I) - Scrum.org

https://www.credly.com/badges/5454558d-6cd7-4224-89c9-3377c52573c1/linked_in_pro

Skills

Kotlin, Coroutines and Flows • Jetpack Compose • Unit Testing • Room and Realm Databases • Scrum • Team Leadership • Time Management and Prioritization • Communication • Android Development • Rest APIs and GraphQL

Honors & Awards

Rising Stars of Extentia - Extentia Information Technology

Nov 2022

https://www.linkedin.com/posts/kweku-armah_risingstarsofextentia-risingstarsofextentia-activity-6885190137358221312-RjZM?utm_source=share&utm_medium=member_desktop