Farah Khalil Tabal

Mobile Software Engineer

Android Developer (Kotlin, Java) with 1+ year of experience building mobile applications in the tech education sector. Passionate about clean architecture, modern Android development, and delivering scalable solutions. Open to relocation.

CONTACT DETAILS
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Khan Younis, Palestine (Open to relocate)

WORK EXPERIENCE

The Chance (Tech Education) **Android Developer**

Palestine (Remote)

March 2025 - November 2025

- Developed multiple Android applications using Kotlin, Jetpack Compose, XML, and modern Android development practices, participating in all stages of the software development lifecycle including requirements gathering, implementation, testing, and deployment.
- Collaborated with cross-functional teams of 60+ participants across 6 teams on enterprise-level projects to deliver scalable mobile solutions, working in agile sprints with designers, backend developers, and product managers.
- Implemented clean architecture patterns, MVVM/MVP design patterns, and industry best practices for code quality across multiple projects, ensuring maintainable and testable codebases .
- Participated in 8+ code reviews, providing constructive feedback to team members and gaining expertise in OOP principles, data structures, algorithms, and unit testing through comprehensive curriculum and hands-on development.

Tech Skills: Kotlin, Java, Jetpack Compose, XML, MVVM, MVP, Clean Architecture, Retrofit, Ktor, Room Database, Firebase, Koin, Hilt, Dagger 2, JUnit, MockK, Git, GitHub Actions.

PROJECTS

MENA – Super Chat & Social App | The Chance
July 2025 - November 2025
Developed Wallet module and Admin Dashboard for a Kotlin Multiplatform Android super-app as part of The Chance 2025 program with 60+ participants across 6 teams.
Worked in a 10-person agile team using 2-week sprints to deliver features incrementally.
Wallet Module Development:

Built peer-to-peer money transfer system with comprehensive transaction management capabilities.
Implemented transaction history feature with 3+ filter types including transaction type, status, and date range for enhanced user control.
Developed PDF statement generation feature allowing users to export and share transaction records.
Integrated wallet functionality across 2 major modules (Chat and Dukan) ensuring seamless cross-module communication.
Implemented offline-first architecture with Room database caching for transaction history, improving app performance and user experience during low connectivity.

Admin Dashboard Development:

Built desktop Admin Panel using Compose Multiplatform supporting 3+ core workflows including user management, Dukan approvals, and wallet deposits.
Implemented comprehensive user management system with activation and blocking

TECHNOLOGIES

Android Development: Kotlin (1+ year), Java (2+ year), Jetpack Compose, XML, Material Design 3
Architecture & Patterns: MVVM, MVP, Clean Architecture, Repository Pattern, Observer Pattern, SOLID Principles
Libraries & Frameworks: Retrofit, Ktor, Room Database, LiveData, ViewModel, Navigation Component, Paging, Kotlin Coroutines, Flow
Dependency Injection: Koin, Hilt, Dagger 2.
Testing & Quality: JUnit, MockK, Unit Testing (80%+ coverage), Code Review
Backend & Database: REST API, SQL, Room Database, Firebase (Analytics, Crashlytics).
DevOps & Tools: Git, GitHub, CI/CD, GitHub Actions.
Other Languages: Python, JavaScript, HTML, CSS, Rust.
CS Fundamentals: OOP, Data Structures, Algorithms, SOLID Principles.

AWARDS or CERTIFICATIONS

CS50P: CS50's Introduction to Programming with Python — HarvardX

Completed Harvard University's introductory programming course covering Python fundamentals, data structures, algorithms, and problem-solving techniques.
Verified certificate from HarvardX online learning initiative.

The Chance 2025 — Modern Android Development Program

capabilities for administrative control.
Created wallet deposit feature enabling admin operations for balance management and financial oversight.

Technical Implementation:

Followed Clean Architecture principles across 4+ Gradle modules ensuring separation of concerns and maintainability.
Used Compose Multiplatform for cross-platform UI development, Ktor for API communication, Room for local data persistence, and Koin for dependency injection.
Participated in 8+ code reviews and collaborated with 5 other teams to ensure code quality and consistency.

Tech Stack: Kotlin Multiplatform, Compose Multiplatform, Ktor, Room, Koin, Clean Architecture, Gradle, Git.

Novix – Movie Discovery App | The Chance
May 2025 - July 2025

Developed Android movie discovery app using Kotlin and Jetpack Compose with Clean Architecture.

Implemented reactive data flow with Observer pattern and integrated TMDB API with caching for improved performance.
Built AI-based Islamic content filter for culturally sensitive content detection.
Applied unit testing with JUnit and MockK (80%+ coverage), implemented Dark/Light themes with Material Design 3.
Integrated Firebase Analytics and Crashlytics, used Hilt for dependency injection.

Tech Stack: Kotlin, Jetpack Compose, TMDB API, Firebase, Hilt, JUnit, MockK, Material Design 3.

Qurio – Android Trivia Quiz App | The Chance
October 2025 - November 2025

Developed Android trivia quiz app with Kotlin and XML-based UI following MVP architecture.

Implemented quiz categories, timed questions, scoring system, daily streaks, avatars, and performance history.
Used Jetpack Navigation, Retrofit with Kotlin Coroutines for async data handling, Room for caching, and Dagger 2 for DI.

Tech Stack: Kotlin, XML, MVP, Retrofit, Kotlin Coroutines, Room, Dagger 2, Jetpack Navigation.

Completed intensive 8-month Android development program covering OOP, Data Structures, Algorithms, Design Patterns, and Modern Android Development.
Participated in real-world simulation phase with strong code review culture and continuous mentorship.

LANGUAGES

Arabic: Native
English: Intermediate (B1)

EDUCATION

Al-Aqsa University,
Computer Science
October 2024 – Present

Relevant Coursework: Object-Oriented Programming, Data Structures, Algorithms, Database Management Systems, Software Engineering, Mobile Application Development, Operating Systems, Computer Networks
Specializations: Android Development, Software Architecture, Mobile UI/UX Design, Clean Code Principles