Wahid Ali Wahid

Android Software Engineer

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Profile

Android Software Engineer with a strong foundation in software engineering principles and modern Android development. Experienced in building production-ready applications with Kotlin, Jetpack Compose, Coroutines, and Clean Architecture. Passionate about designing scalable systems, improving code quality, and continuously learning new technologies to build better software.

Education

Information Technology Institute – ITI, Smart Village Branch Oct 2025 – Aug 2026
9-Month Diploma – Mobile Applications Development (Native) *Cairo, Egypt*

Delta Technological University Sep 2021 – May 2025
BSc in Computer Science, Excellent *Menofia, Egypt*

- Graduation Project: Mahd — a full-stack e-learning platform (Android + Web + Backend) with course management, video learning, authentication, and progress tracking. Grade: A+

Experience

Geidea Sep 2026 – Present
Android Software Engineer *Cairo, Egypt*

- Developed the Geidea Payment Gateway Android SDK and contributed to the Geidea Merchant KSA application.
- Integrated BNPL services (Sohoola) and bank installment solutions, alongside Saved Cards functionality for repeat payments.
- Implemented Headless Checkout, enabling custom merchant checkout UIs, and authored its official developer documentation.

Outlier Oct 2024 – Feb 2025
AI Coding Expert *Cairo, Egypt*

- Reviewed and corrected AI-generated Python and Go responses, diagnosing logical errors and refining outputs for technical accuracy, correctness, and clarity across programming and Arabic-language domains.

iSchool Jun 2024 – Jul 2025
Coding Instructor *Cairo, Egypt*

- Taught Python, MBlock, and programming fundamentals, designing hands-on exercises and adapting instruction to build problem-solving skills and coding confidence across different student levels.

Projects

Troves - Kotlin Multiplatform eCommerce App (Android and iOS)
Technologies: ***KMP***, ***Compose Multiplatform***, ***Clean Architecture***, ***Koin***, ***Apollo GraphQL***, ***Supabase***, ***Mapbox***

- Built a cross-platform eCommerce app with fully shared UI between Android and iOS using Compose Multiplatform and multi-module Clean Architecture.
- Integrated the **Shopify Storefront API** with Apollo GraphQL for products, cart, and checkout, using Shopify Checkout Sheet Kit for native checkout.
- Implemented **Paymob payments** with Supabase Edge Functions, webhooks, and **idempotent order creation** to prevent duplicate Shopify orders.

Etmaen - Healthcare Platform
Technologies: ***Kotlin***, ***Compose***, ***Clean Architecture***, ***Hilt***, ***Coroutines***, ***Ktor***, ***WebSockets***, ***Mapbox***, ***Paymob***

- Developed a healthcare platform connecting patients and nurses using Jetpack Compose, Clean Architecture, and modular MVI.
- Implemented a lifecycle-aware **WebSocket** layer with Coroutines and Flow for real-time reservation requests, offer updates, and reservation status changes.
- Built real-time **patient–nurse chat** over WebSockets, enabling instant communication throughout the reservation lifecycle.

PhonePad - Cross-Platform Remote Touchpad & Automation App

*Technologies: **Kotlin Multiplatform**, **Compose Multiplatform**, **Coroutines & Flow**, **Ktor**, **WebSockets**, **Koin**, **DataStore***

- Architected a cross-platform remote control application that transforms Android and iOS devices into wireless touchpads, featuring real-time gesture input, keyboard control, and customizable automation Flows for executing sequential actions across connected devices.

Wurly - Modern Weather Forecast App (Android)

*Technologies: **Jetpack Compose**, **Coroutines & Flow**, **Hilt**, **Retrofit**, **Room**, **DataStore**, **Mapbox**, **WorkManager***

- Architected a 5-screen weather app on Clean Architecture with a hybrid MVVM/MVI pattern, featuring real-time forecasts, offline caching, background alerts via WorkManager and Services, and a glassmorphism Compose UI — validated with unit tests and test doubles.

Technical Skills

Languages: Kotlin, Java, Swift, C++, Objective-C.

Android Development: Jetpack Compose, XML Views, Material Design, Navigation Component, Kotlin Coroutines, Flow, RxJava/RxAndroid, ViewModel, LiveData, Retrofit, Ktor, WebSockets, SQLite, Room, Hilt, Koin, DataStore, Shared Preferences, Data Binding, View Binding, Firebase SDK, OAuth 2.0, WorkManager, Paging 3, Coil, Glide.

Testing: JUnit, Mockk, Mockito, Robolectric, Turbine, Instrumentation Testing.

Architecture & Patterns: Clean Architecture, MVVM, MVI, MVP, MVC, Offline-First Architecture, SOLID Principles, Dependency Injection, RESTful APIs.

Cross-Platform: KMP, CMP, Flutter.

Version Control: Git, GitHub, GitHub Actions.

Databases: SQLite, Firebase, MySQL, SQL Server.

Soft Skills

- Problem-Solving & Analytical Thinking
- Team Collaboration & Communication
- Time Management & Self-Organization
- Adaptability & Continuous Learning
- Technical Mentoring & Knowledge Sharing
- Attention to Detail

Activities

Build With AI

Google Developer Group Cairo

- Built a Compose Multiplatform app for real-time fraud message detection, protecting users from phishing and unauthorized access to sensitive data.

Android Trainee

Orange Digital Center (ODC)

- Completed a structured Android development program at Orange Digital Center, spanning core concepts through advanced topics across the Android ecosystem.

ICPC Instructor

ICPC-DTU Community

- Led training sessions for the ICPC-DTU community, teaching data structures, algorithms, and problem-solving strategies to competitive programmers.

Languages

Arabic (Native) **English** (Fluent)