

HUSSAIN YAHYA

Android Developer

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Professional Summary

4+ years of professional Android development with a track record of delivering stable, user-centric mobile applications. **Built 10+ applications** — including 1 production launch (Maktabati), a complex cross-platform Chat app (Chirp), and 8+ personal/course prototypes. **Working knowledge of KMP/CMP and lightweight Ktor back-ends (approx. 1 year hands-on)**, including shipping to Desktop and iOS. **Recent focus on Server-side Kotlin:** Gained practical experience with **Spring Boot** and PostgreSQL through industry-level coursework and projects. **Lifelong Learner:** Completed 8+ advanced tracks, including Udacity Nanodegree and official **JetBrains-collaborated courses**. Experienced with **Bitrise** for automated testing, deployment, and reliable releases.

Skills

- **Mobile & Desktop:** Android SDK, Jetpack Compose, **Cross-Platform Development** (Kotlin Multiplatform/Compose Multiplatform (Basic/Working Knowledge) - modern alternative to React Native/Flutter), Offline-First Architecture.
- **Backend Technologies:** **Spring Boot (Kotlin)**, **Ktor**, PostgreSQL, Redis (Project-based experience).
- **Architecture:** Clean Architecture, Multi-Module, MVVM, MVI.
- **Languages:** Kotlin (Expert), Java (Legacy Code Migration & Maintenance).
- **Tools & DevOps:** Git, GitHub, Bitrise CI/CD, Postman, Gradle (Version Catalogs).
- **Libraries:** Koin, Hilt (Dagger), Room, Retrofit, Coil, Coroutines & Flow.

Education

Bachelor (Honors) of Electrical Engineering Academy of Engineering Science | 2011 – 2016

Certifications & Professional Development

- Building Industry-Level Compose Multiplatform Desktop Apps (PI-Coding, 2025) — *Created in collaboration with JetBrains*
- Building Industry-Level Compose Multiplatform Android & iOS Apps (PI-Coding, 2025) — *Created in collaboration with JetBrains*
- Building Industry-Level Kotlin Backends With Spring Boot (PI-Coding, 2025) — *Created in collaboration with JetBrains*
- The Essentials of Industry-Level Android App Development (PI-Coding, 2024)
- Building Industry-Level Wear OS Apps (PI-Coding, 2024)
- Testing Large-Scale Multi-Module Android Apps (PI-Coding, 2024)
- Professional App Development with CI/CD (PI-Coding, 2022)
- Android Kotlin Developer Nanodegree (Udacity, 2022)

Work Experience

Android Developer | Kay Technology Riyadh, Saudi Arabia | Mar 2022 – Present

- Assumed **Full Technical Ownership** of the Android product, driving the migration of a legacy **Java/XML** codebase to a modern Kotlin + Jetpack Compose architecture (API 25+).
- Developed reusable Internal SDKs and core modules for authentication, search, and download management, streamlining feature integration and code maintainability.
- Designed engaging UIs with Material 3 Compose, Coil, and Lottie animations.
- Established strict architectural standards (Clean Architecture, MVI) and a Bitrise CI/CD pipeline (JUnit, Espresso) to ensure a **scalable, testable, and maintainable** codebase in a solo development environment.
- Built and maintained lightweight Ktor micro-services for authentication and content delivery.

Projects

Maktabati | Kay Technology | Mar 2022- Present | [View Project](#)

A full rebuild of the company's original PDF viewer into a feature-rich research library.

- Implemented a comprehensive digital library, advanced PDF viewing and management system with search functionality and offline caching.
- User sign-in, personalized shelves, and download resumption for large files.
- **Technologies:** Kotlin, Jetpack Compose, Room, PDF rendering libraries, Ktor Client/Server

(The original product was a single-screen Java app limited to Android 9; the new version is Kotlin-based, fully modular, and supports API 25 + with continuous delivery.)

Chirp | PI-Coding | Nov 2025 - Dec 2025 | [View Project](#)

- Engineered a modern, cross-platform messaging application for Android, iOS, and Desktop, achieving 100% code sharing across UI and business logic.
- Built an offline-first system using Room/SQLite and Ktor WebSockets for real-time bidirectional synchronization and instant message delivery.
- Implemented secure authentication, deep linking, internationalization (RTL support), and push notifications across multiple platforms.
- **Technologies:** Kotlin Multiplatform (KMP), Compose Multiplatform, Koin, Ktor (WebSockets), Room, SQLite, Firebase Cloud Messaging (FCM), Coil 3

ScribbleDash | PI Mobile Dev Campus | Apr 2025 - Present | [View Project](#)

- Developed a playful drawing app with a 1:1 canvas, undo/redo, and clear canvas features
- Organized code following clean architecture principles in modular layers (data, domain, presentation)
- **Technologies:** Kotlin, Jetpack Compose, MVI, Koin, Coroutines, Material Design 3

EchoJournal | PI Mobile Dev Campus | *Jan 2025 - Feb 2025* | [View Project](#)

- Created a colorful audio journaling app to help users quickly log their thoughts and mood through voice memos
- Incorporated customizable mood and topic tagging, along with search and filtering capabilities
- Utilized MediaRecorder and MediaPlayer for seamless audio recording and playback
- **Technologies:** Kotlin, Jetpack Compose, MVI, Koin, Room, MediaRecorder, MediaPlayer, and optional AI libraries

Runique | PI-Coding | *Apr 2024 - Nov 2024* | [View Project](#)

- Developed a multi-module running tracker application for both Android phones and Wear OS devices
- Implemented cross-device synchronization, real-time GPS tracking, and OAuth authentication
- **Technologies:** Kotlin, Compose, Koin, Room, Ktor, Google Maps SDK, Wear OS Health Services API

Translator | PI-Coding | *Feb 2023 - Apr 2023* | [View Project](#)

- Built a cross-platform translation app supporting 28 languages for both iOS and Android
- Implemented shared business logic using Kotlin Multiplatform Mobile (KMM)
- **Technologies:** KMM, Compose Multiplatform, Ktor, SQLDelight

Qodem | PI-Coding | *Nov 2021 - Jul 2022* | [View Project](#)

- Created a blood donation management app streamlining donor-bank connections
- Implemented features including appointment scheduling, pre-screening tests, and blood bank locator
- Integrated Google Maps API for location services and real-time bank discovery
- **Technologies:** Kotlin, MVVM, Maps API, Room

Asteroid Radar | Udacity | *Feb 2021 - Mar 2021* | [View Project](#)

- Built an app displaying NASA's near-Earth asteroid data
- Integrated NASA's open-source API for real-time asteroid tracking
- Implemented data visualization for asteroid characteristics
- **Technologies:** Kotlin, Retrofit, MVVM, NASA API

Languages

- Arabic (Native speaker)
- English (Very good command)

Additional Resources

- For more projects and detailed documentation, visit my GitHub profile [View Projects](#)
- For the latest version of this CV, visit my portfolio [View CV](#)

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