

Mohamed Essam Shemees

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Android Developer with hands-on experience in Kotlin, Jetpack Compose, and modern architectural patterns. Passionate about crafting reliable, performant, and user-focused mobile applications. Committed to continuous learning, teamwork, and delivering features that make a meaningful impact.

EDUCATION

Bachelor's Degree, Faculty of Computers and Information – Computer Science Department

2019–2023

GPA: 3.4 – Zagazig University

Graduation Project: A mobile app for diagnosing plant health using advanced image processing.

TECHNICAL SKILLS

Technologies: Kotlin, Dart, Flutter, Jetpack Compose, KMP, Java, XML, MVVM, MVI, Clean Architecture, Coroutines, Flow, RxJava, REST APIs, Retrofit, Ktor, JSON, Room, DataStore, SharedPreferences, SQL basics, Firebase, Supabase, Authentication, Push Notifications, Unit Testing, Git, GitHub, CI/CD, GitHub Actions, Gradle, Android Studio

EXPERIENCE

The Chance - Online Internship

Apr–Dec 2025

- Built Android projects using Kotlin and Jetpack Compose (MVVM/MVI).
- Participated in code reviews and daily team standups to improve collaboration.

PROJECTS

e-Commerce App (Automotive-cars and spare parts) – Freelance Project (KMP), Team Project

Dec–Jan 2025

- Implemented the cart module allowing users to adjust product quantities, pick addresses via Google Maps, enter phone numbers, and track order status.
- Collaborated with backend, QA, and UI/UX teams to ensure accurate and timely delivery of requirements.

e-Commerce App (Constructions-services (customer-seller)) – Freelance Project (KMP), Team Project

Oct–Dec 2025

- Built the complete authentication flow for customer and seller apps, login, signup, and secure session handling.
- Integrated Google Sign-In on Android and iOS and implemented backend-connected authentication.
- Implemented camera capture for ID verification across Android and iOS.
- Worked with backend, QA, and UI/UX teams to resolve API, authentication, and device-related issues.

Mena Project (Chat App) – Identity Feature (KMP) Team Project

Sep–Dec 2025

GitHub: [TheChance101/MENA-mobile](https://github.com/TheChance101/MENA-mobile)

- Built Identity feature for a cross-platform super-app in an agile, sprint-based environment.
- Implemented full in-app localization supporting English Arabic switching on Android and iOS.
- Developed dynamic Dark/Light theme with shared KMP logic.
- Participated in code reviews to maintain clean architecture and consistent coding standards.
- Worked closely with backend and UI/UX to debug and refine identity flows.

Aflami – Movies Discovery App (Jetpack Compose Team - Project)

Jul–Sep 2025

GitHub: [Aflami](https://github.com/Aflami)

- Developed a movie discovery app with dynamic search, pagination, and responsive UI.
- Implemented image Blur effects for sensitive content using Coil and Firebase ML Kit.
- Set up CI/CD using GitHub Actions and Firebase App Distribution.
- Collaborated in code reviews ensuring clean Compose patterns and reliable API handling.

MyWeatherApp – Weather Forecast App (Jetpack Compose)

Jul 2025

[GitHub: MyWeatherApp](#)

- Built a real-time reactive weather app using Compose and MVVM.
- Integrated Ktor for API communication and Koin for dependency injection.
- Delivered a smooth, responsive UI with proper state management.

ShopSurf – eCommerce App (Kotlin/XML)

Apr 2025

[GitHub: ShopSurf](#)

- Developed a full shopping app with product browsing, cart management, and seamless ordering.
- Designed an XML-based UI using RecyclerView and ViewPager2 for smooth navigation.
- Optimized data handling with Retrofit, Gson, Glide, and Room.
- Applied MVVM and Hilt for clean, maintainable, and scalable architecture.

CurrencyX – Real-Time Currency Tracker (Kotlin/XML)

Mar 2025

[GitHub: CurrencyX](#)

- Developed real-time currency tracker with intuitive UI and live exchange data.
- Integrated Retrofit and StateFlow for reactive updates.
- Structured with MVVM and Coroutines for efficient data handling.

Tasty – Food Recipe App (Kotlin/XML)

Jan 2025

[GitHub: tasty-food-app](#)

- Engineered a modular recipe application using Clean Architecture and MVVM, improving scalability and long-term maintainability.
- Optimized data flow by integrating Retrofit with Coroutines for non-blocking API calls, enhancing responsiveness.
- Strengthened reliability with Room caching, enabling offline access and faster data loading.
- Improved code quality by implementing Dagger Hilt for dependency injection and lifecycle-aware components for increased stability.

SOFT SKILLS

Communication, Teamwork, Adaptability, Problem Solving, Time Management, Agile, Scrum, Attention to Detail

LANGUAGE

Arabic : Native

English : Intermediate