Kareem Mustafa

Mobile Application Developer
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Residence: Saudi Arabia (Transferable Iqama)

Summary

Results-driven Mobile Application Developer specializing in building high-quality, scalable applications using Flutter and Dart, with a focus on modern UI and seamless user experiences. Also highly experienced in native Android development with Kotlin and Jetpack Compose, enabling the delivery of comprehensive solutions for both cross-platform and native apps. Skilled in integrating RESTful APIs, Firebase services, and managing local data using Flutter packages. Passionate about clean architecture, performance optimization, and applying best practices to create innovative and efficient mobile applications.

Education

Bachelor of Computer and Information Science, Software Engineering
Mansoura University, 2020 – 2024

Technical Skills

Flutter & Dart:
- **Cross-platform apps:** building responsive UIs with Flutter Widgets and advanced Animations.
- **State management**: using Provider and Bloc for scalable and maintainable apps.
- **Firebase integration:** Authentication, Firestore, Realtime Database, Cloud Storage, push notifications.
- **Local database:** managing data with SQLite using popular Flutter packages (sqflite, hive).
- **API integration:** RESTful APIs and communication with native modules via Flutter plugins.

Android & Kotlin:
- **Native app development:** building Android apps with Jetpack Compose and MVVM architecture.
- **Asynchronous programming:** using Kotlin Coroutines and Flow for reactive UI updates.
- **API communication:** Retrofit and OkHttp with offline caching via Room Database.
- **Firebase services:** authentication, real-time sync, and cloud storage.
- **Dependency injection:** Hilt/Dagger and background tasks with WorkManager.

Design & Tools: Material Design 3, Figma for prototyping, and Lottie animations.
Version Control: Git and GitHub for version control, branching, and collaboration.
Backend Basics: basic experience with Ktor and endpoint testing using Postman.

Soft Skills

- **Problem-Solving:** Strong analytical skills to identify issues and implement effective solutions.
- **Team Collaboration:** Ability to work efficiently in cross-functional teams and agile environments.
- **Communication:** Clear and effective communication with team members, stakeholders, and clients.
- **Adaptability:** Quick learner with flexibility to adopt new technologies and methodologies.
- **Time Management:** Skilled at prioritizing tasks and meeting project deadlines.
- **Creativity:** Innovative mindset for designing user-friendly and engaging mobile applications.
- **Attention to Detail:** Ensuring high-quality code, optimized performance, and polished UI/UX.
- **Continuous Learning:** Passionate about self-improvement and staying updated with industry trends.

Experience

Flutter Developer – Gate *(Full-time)*

Developed and maintained cross-platform applications using Flutter and Dart as part of a team, with a focus on clean architecture and responsive UI, in close collaboration with design and backend teams. Responsibilities included developing a fully functional educational app integrated with the Moodle platform, which was successfully published on Google Play.

Flutter Developer – Code Icons *(Part-time)*

Worked on a business management platform (sales, purchases, inventory, accounting) using Flutter and Dart. Built responsive UIs, integrated REST APIs and Firebase. Currently collaborating with the Damietta Chamber of Commerce on a custom services app tailored to their operational needs.

Freelance Flutter & Android Developer

Delivering mobile applications for clients using Flutter and Kotlin, focusing on clean UI, API integration, and Firebase services

Projects

Target Math – Educational App

Developed an educational mobile app that offers math courses and tracks user progress throughout the learning journey. Integrated with the Moodle platform for course management and learning content delivery. The app was successfully published on Google Play.

DC Service – Business Services App

Individually designed and developed the app as part of CodeIcons for the Damietta Chamber of Commerce. The app provides digital services such as QR invoice verification and managing client payments, aiming to streamline financial processes and enhance service efficiency for local businesses. The application is also published on Google Play.

Healthy Life – Health & Wellness App

Designed and developed the app using Kotlin and Jetpack Compose with Firebase as the backend. The app supports secure user registration, step tracking, and calorie calculation. It also features medical posts from doctors, an AI-powered chatbot (OpenAI), and personalized diet plans to promote healthy habits.

GoSmart – Graduation Project

Designed and developed a mobile travel app that highlights hotels, cafes, and top tourist attractions across Egypt. The app helps users create personalized travel itineraries based on their preferences and connects them with travel companions for guidance, safety, and a more enjoyable trip experience.

CodeIcons ERP – Business Management App

Developing a mobile application version of the complete CodeIcons ERP system, which manages sales, purchases, cash flow, inventory, and HR operations. Responsible for designing and implementing the app using Flutter to provide a responsive and user-friendly interface, enabling businesses to manage their operations efficiently on the go.