

Moatasem Alhilali

Senior Mobile Engineer (Flutter) — Android & iOS

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## PROFESSIONAL SUMMARY

Senior mobile engineer specialized in Flutter with 4+ years of experience delivering production Android and iOS applications across fintech, commerce, and SaaS products. Focused on architecture, state management, performance, and reliability in real-world, high-usage environments. Proven ability to own mobile delivery end-to-end, collaborate effectively with backend and product teams, and lead engineering efforts from first prototype to stable, long-lived releases.

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## CORE EXPERTISE

- **Flutter-based Mobile Development**  
Design and delivery of cross-platform mobile applications (Android/iOS) using Flutter and Dart, from greenfield builds to large-scale refactors.
- **Architecture & State Management**  
Clean, modular architectures with clear separation of concerns; extensive experience with Riverpod and BLoC in multi-feature, long-lived codebases.
- **Domain Experience**  
Building transaction-heavy, security-sensitive products in financial services, digital commerce, and education/SaaS, with emphasis on reliability and user trust.
- **API-Driven Systems**  
Strong understanding of HTTP/REST, versioned APIs, and mobile-backend interaction patterns, enabling efficient collaboration with backend teams and effective end-to-end debugging.
- **Performance, Observability & Quality**  
Attention to runtime performance, responsiveness, and stability; use of profiling, logging, and monitoring to keep applications fast and predictable in production.
- **CI/CD & Release Management**  
Automated build and release processes (Codemagic, GitHub Actions), environment management, and structured release workflows for app stores.

- **Leadership & Collaboration**

Experience defining technical direction for mobile, establishing standards, mentoring developers, and working closely with product, design, and backend stakeholders.

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## TECHNICAL SKILLS

- **Mobile:** Flutter, Dart
  - **State Management:** Riverpod, BLoC/Cubit, Provider
  - **Architectural Patterns:** Clean Architecture, MVVM, feature-first modularization
  - **APIs & Data:** REST, JSON, pagination, offline strategies, caching
  - **Ecosystem & Services:** Firebase (Auth, Firestore, Messaging, Crashlytics), push notifications, third-party SDKs and APIs
  - **Tooling:** Git, GitHub, Codemagic, GitHub Actions, Jira/Trello, Figma
  - **Languages:** English (Professional), Arabic (Native/Bilingual)
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## PROFESSIONAL EXPERIENCE

### Senior Freelance Mobile Engineer (Flutter) — Remote

- Led the architecture and implementation of multiple Flutter applications for clients in fintech, commerce, and education/SaaS.
- Designed modular, testable codebases that could evolve over time without sacrificing stability or developer productivity.
- Collaborated with backend teams to define clear API contracts, handle API evolution, and diagnose complex production issues spanning client and server.
- Integrated external services such as payment providers, messaging, and analytics, ensuring predictable behavior and robust error handling.
- Established and maintained CI/CD pipelines for mobile projects, standardizing build, test, and release processes.
- Provided technical direction and review for teams adopting Flutter, helping align implementation with long-term product goals.

#### tbl tech — Senior Flutter Developer / Tech Lead

- Acted as the mobile lead for banking and payment applications, responsible for technical decisions on architecture, state management, and project structure.
- Guided a team of Flutter developers through planning, implementation, and review, ensuring consistent quality and alignment with business priorities.
- Worked with security and backend teams to design flows suitable for regulated financial environments and sensitive user data.
- Drove improvements in code quality, testing practices, and release discipline across the mobile team.

#### 4A Technology — Senior Mobile Developer (Contract)

- Built a new fintech-oriented mobile application in Flutter, owning the implementation from early prototypes to production release.
- Collaborated directly with stakeholders to translate requirements into robust flows and adjust the product based on feedback and usage.
- Focused on predictable behavior under failure conditions and on maintaining a stable experience across a wide range of devices.

#### siolla — Full Stack Mobile Developer (Flutter-focused)

- Took ownership of existing Flutter applications, improving maintainability, performance, and stability.
- Refactored legacy areas of the codebase to align with modern architectural and state management practices.
- Contributed to the introduction of automated build and release processes for mobile projects.

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## SELECTED MOBILE PRODUCTS

- **Major Match** — Mobile app for personalized academic major recommendations, consuming an AI-powered backend with multilingual support and analytics.
- **Easy Pay** — Mobile app for digital payments and balance management in a financial context, with emphasis on reliability and clear user flows.
- **Pinpaiss** — Commerce-focused mobile app with product discovery and purchase flows for end users.

- **Qurani** — Content-focused mobile app with large user base, designed for extended usage sessions and broad device support.

Further details, demos, and additional projects are available at **moatasemtech.com**.

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## EDUCATION

### **Bachelor of Information Technology**

Saba University, Sana'a — *Expected March 2025*

Graduation Project: Student portal and mobile app with a service-oriented backend and Flutter client.

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## PROFESSIONAL FOCUS

Primary focus on modern, scalable mobile engineering with Flutter, with particular interest in long-term maintainability, product reliability, and clear technical direction for mobile teams.

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## CONTACT

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**References available upon request.**