Wassim Ben Mechlia

Mobile Engineer

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Profile

Mobile Engineer with over 2 years of production experience building and shipping iOS and Android applications across fintech, mobility, parking, and marketplace domains. Experienced in mobile architecture, end-to-end feature delivery, third-party integrations, CI/CD, and production releases. Strong expertise in Flutter/Dart, with experience across native mobile technologies, real-time systems, payment integrations, and scalable application architecture.

Technical Skills

Mobile & Languages: Flutter, Dart, iOS, Android, React Native, TypeScript, Kotlin, SQL
State Management & Architecture: BLoC/Cubit, Riverpod, Provider, GetIt, Clean Architecture, SOLID
APIs & Real-Time: REST, GraphQL/Apollo, WebSockets, Socket.IO, WebRTC, FCM, Deep Linking
Integrations: Worldline, Stripe, In-App Purchases, Google/Apple Sign-In, Google Maps, Mapbox, Geolocation
Data & DevOps: Firebase, PostgreSQL, SQLite, MongoDB, Codemagic, Fastlane, Shorebird OTA, CI/CD, Git

Experience

Senior Flutter Engineer | Mobile Lead **Jul 2024 – Present**
Vivia *Sousse, Tunisia*

- Architected and shipped the Effia Belgium parking platform end-to-end (iOS | Android), supporting 38 cities and 82 parking facilities from first release (Jan 2025) to v2.3.1, owning mobile architecture, integrations and production releases.
- Integrated Worldline payments, Stripe, Google Maps, Mapbox routing, and Apple/Google Sign-In, implementing robust error handling and retry mechanisms for network and gateway failures.
- Owned the mobile CI/CD pipeline: Codemagic builds to deliver new releases to testers, Shorebird OTA patches for fast fixes without a store release, and Fastlane, plus Firebase Analytics and production monitoring for rapid debugging.debugging and hotfix delivery.
- Integrated KYC SDKs for identity verification, including document verification, facial recognition, and liveness detection, ensuring secure and reliable user onboarding.

Flutter Intern **Feb 2024 – Jun 2024**
Vivia *Sousse, Tunisia*

- Built a full-stack carpooling mobile application end-to-end, from design to implementation, developing the Flutter frontend, backend services, API integrations, data storage, and core product features.

Flutter Intern **Jun 2023 – Oct 2023**
Paymee *Tunis, Tunisia*

- Shipped QR-based merchant payment and P2P transfer features for Paymee, an award-winning Tunisian payment platform serving 550+ businesses with 350,000+ transactions processed, handling secure transaction flows and latency-sensitive state management.

Selected Projects

Effia Belgium *Flutter, Mobile Development*
Contributed to the development of a parking mobility application, implementing mobile features and user-facing interfaces with Flutter.

Go My City *Flutter, NestJS, REST APIs, PostgreSQL, WebSocket (STOMP), Firebase*
Built a full-stack carpooling app: designed the Flutter client and a NestJS microservices backend (auth, carpool, chat, payments), implemented real-time ride tracking over STOMP/WebSocket, Stripe point top-up payments.

NeoPay *Flutter, Riverpod, Clean Architecture*
Multi-role fintech wallet (consumer/merchant/agent) covering KYC/KYB, QR payments, P2P transfers, and cash-in/out with signed QR payloads.

Tavio *React Native, TypeScript, GraphQL, Socket.IO*
Real-time marketplace with live provider tracking, WebRTC communication, GraphQL/Apollo data layer, and Stripe payments.

Club Privilèges *Flutter, BLoC*
Membership app with exclusive discounts across partner stores (100K+ downloads, 4.5⋆). Built voucher purchase and redemption for partners like Pathé. iOS | Android

Purpi *Flutter, BLoC, In-App Purchases*
Loyalty campaign, QR redemption, and in-app purchase flows for a production rewards platform using reusable BLoC business modules. iOS | Android

Byzance *Flutter, FCM, Clean Architecture*
Offline-first inspection app with local capture, background sync, FCM push notifications, and reporting for low-connectivity environments.

Education

Software IT Engineer **2024 – Present**
International Multidisciplinary School (EPI) *Tunisia*

Bachelor of Computer Science and Engineering (IoT) **2021 – 2024**
Higher Institute of Applied Sciences and Technology of Sousse *Tunisia*

Languages: English (Professional), French (Professional), Arabic (Native)