MUHAMMAD BILAL

Mobile Software Engineer

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PROFILE SUMMARY

Mobile Engineer (iOS/Android) & Flutter with 4 Years of Experience, building apps for 1M+ users. Expertise in Microservices, Payment Gateways, Api Integration, performance optimization, and cross-platform development Flutter. Proven track record of shipping high-impact features, reducing crashes, and improving retention through A/B testing and architectural innovation.

EDUCATION

Bachelors of computer science | Awkum, PK | Graduate Date – Nov 2021

TECHNICAL SKILLS

- **Languages: Dart, Kotlin, Swift, Java, Objective-C**
- **Frameworks: Flutter, Jetpack Compose, SwiftUI, Android SDK,**
- **Architecture: Clean Architecture, MVVM, Getx, Bloc, Provider**
- **Tools: Android Studio, Xcode, Git, Firebase, GraphQL, Fastlane**
- **Testing: Flutter Test, XCTest, Espresso, JUnit**
- **CI/CD: GitHub Actions, Docker (basic)**
- **APIs/Cloud: REST, GraphQL, Firebase, GDS Systems**

PROFESSIONAL EXPERIENCE

Mobile Software Engineer | Sastaticket.pk | Aug 2023 – Dec 2024
- Developed and optimized SastaTicket.pk' cross-platform app (Flutter), serving 1M+ users with real-time flight/hotel bookings.
- Integrated Node.js microservices and GDS APIs (Amadeus/Sabre) for live inventory synchronization, improving booking reliability by 30**%**.
- Secured payment gateways (credit cards/digital wallets), reducing transaction failures by **25%**.
- Reduced app startup time by 40**%** via modularization and lazy loading.
- Implemented unit/UI tests, cutting regression bugs by 50%; adopted Clean Architecture for maintainability.
- Collaborated in Agile/Scrum teams, leading code reviews and sprint planning.

Software Engineer | CodeOrbit |Islamabad| Sep 2021 – Aug 2023

- Engineered native mobile applications using **Swift (iOS)** and **Kotlin (Android)**, ensuring high-quality and efficient code for fintech and e-commerce solutions.
- Migrated legacy modules to Flutter, improving cross-platform efficiency while retaining native performance standards.
- Integrated RESTful APIs and designed reusable network layers, applying modern concurrency tools like Kotlin Coroutines and Swift Combine.
- Enhanced app responsiveness and stability by optimizing background services and thread management.

Intern Software Engineer | MoboLogic | June 2021 – Sep 2021

- Assisted in developing mobile application features, improving user functionality and ensuring UI/UX.
- Supported the integration of RESTful APIs, enabling dynamic content updates and data-driven features.
- Participated in code reviews and debugging sessions, contributing to improved code quality and maintainability.

Certifications

- **iOS & Swift Bootcamp** (60 hrs) – *Angela Yu, Udemy*
- **Flutter & Dart from Scratch** (30 hrs) – *OAK Academy Team, Udemy*
- **Flutter Advanced: Clean Architecture + MVVM** (30hrs) – *Mina Farid, Udemy*
- **Flutter - Animations from Zero to Hero** (10 hrs) – *Mina Farid, Udemy*
- **Programming with Kotlin** – *Meta, Coursera*
- **Programming with Kotlin Masterclass** (11 hrs) – *Stefan Jovanovic, Udemy*