Muhammad Musa

Mobile Application Developer

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◎ Cgpa 3.39

Profile

I am a **Mobile Application Developer** with **1 years of experience** in **Flutter and Native** and 3 months experience in **Android (Java/Kotlin)**. I have worked with **MVVM, MVC, and Bloc architectures**, focusing on **scalable and high-performance app development**.
My expertise includes:

- **State management** (Provider, GetIt, Bloc, Riverpod)
- **API integration** (REST, GraphQL, Firebase, Sockets)
- **Payment gateways, Google Maps, and AI/ML (TensorFlow Lite)**
- **Cross-platform development with Flutter & native Android development**

I started my career during my academic years, successfully balancing **studies and professional work**, which strengthened my **technical and problem-solving skills**.

Professional Experience

Mobile Application Developer(Flutter), *Zilon Inc*   05/2024
    Lahore, Pakistan

At **Zilon Inc.**, I learned **Flutter development** and worked with different architectures like **MVVM** and **MVC**. I gained hands-on experience in **state management** using **Bloc** and **Provider**, and learned about **dependency injection** in Flutter. I also worked with **Java** and **Kotlin**, gaining experience in **native app development** and **Swift architecture**. I developed complex **UI logic** and handled **error management**, including **force app updates** and **crash analytics**. I collaborated with **backend developers** and **testers**, converting **Figma designs** into functional UIs. Additionally, I used tools like **Android Studio**, **Postman**, **VS Code**, **Jira**, and **Git** for **version control** while learning **stress management** and improving my **leadership skills**.

Android Native Java, *Tech Swivel*   11/2023 – 02/2024
    Lahore, Pakistan

Developed multiple apps, including a Cookbook App with MVVM architecture and SQLite for offline storage, a Food Delivery App with MVP architecture and Firebase for real-time updates, and an Event Organizing App using MVC and Google Calendar API integration. Skilled in implementing scalable architectures, responsive UI design, third-party API integration, and backend communication. Proficient in performance optimization, testing, and version control using Git.

Education

BSComputerScience, *GCU*   07/2021 – 07/2025
    Lahore, Pakistan

I developed strong skills in OOP (Java), Data Structures, Databases (Coffee Shop DB), Python (Networking), C++ (PF), and VisualProgramming (C#) . My Final Year Project was a Flutter-based Pet Adoption App with ML-powered camera identification.

Languages

- English
- Urdu

- French

Projects

Saasy Pos, *Point of Sales App (Flutter)*
Saasy POS ⬀ is a **Houston-based app** running on **iOS tablets** and **Pax machines** across 12 stores, integrating **payment gateways**, **user authentication**, and **product synchronization** with **Azure DB**. It features **customer management**, **loyalty points**, **invoice creation**, and detailed **customer pages** for seamless sales transactions. The app includes **dual-screen support** (Pax), **fingerprint authentication**, and **secure data storage** (Hive DB, Secured Preferences). Additionally, it supports **label printing** (Zebra/Brother) and custom **POS functions**.

Shama Schools, *eLearning Interactive App(Flutter)*
Shama ⬀ is a free app designed for six schools using **Chromebooks** and **tablets**, focused on enhancing student learning through **videos**, **interactive activities**, and **H5P content**. It features smooth **video transitions**, high-quality **graphics**, and uses **Bloc architecture** for **state management**. The app integrates **Rive animations** and embedded **Unity games** to engage students. It also tracks **user profiles**, **grades**, and **scores** for effective **grade management**. With its interactive **UI** and smooth transitions, **Shama** creates a dynamic learning experience for students.

FOD(fried & dreeks), *Food Delivery App*
FOD is a **food delivery app** made in **Flutter** using **Provider state management**, offering real-time, precise location tracking for customers via GPS. It features an interactive UI for easy navigation and **order management**, with **CRUD operations** for adding and managing menu items. The app integrates the **Stripe payment gateway** for secure transactions and provides an **admin dashboard** for overseeing item listings and hot items. It allows riders to be marked on a map, showing their location for efficient delivery.

Courses

Flutter Development, *PNY Training Center*
At **PNY Training Center**, I learned the basics of **Dart programming language** and its core concepts, including handling different API structures such as **REST API** and **GraphQL**. I focused on enhancing the **UI** while reducing conflicts between **business logic** and the **UI**, along with other best practices to improve app performance and maintainability.

Android Native Development, *Udemy*   01/2023 – 03/2023
I gained expertise in **Clean Code Architecture**, mastering the integration of **XML files**   Lahore, Paksitan
with **Java** for building UIs and learning **Kotlin** for Android development. Additionally, I
acquired hands-on experience deploying apps to the **Play Store**, **Pax Store**, and **App
Store**, ensuring smooth app submissions.