ZULFIQAR ALAM

Flutter Mobile Application Engineer

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Professional Summary

Flutter Mobile Engineer experienced in developing production-ready cross-platform applications using Flutter and Dart. Skilled in REST API integration, AWS Cognito authentication, and offline-first architectures. Proficient in BLoC, GetX, and Provider with strong focus on clean architecture, scalable UI design, and performance optimization.

Technical Skills

Mobile: Flutter
State Management: BLoC, GetX, Provider
Programming: Dart, JavaScript, Python
Backend/APIs: RESTfulAPIs, FastAPI
Cloud: AWS (S3, EC2, Cognito), Firebase, Supabase
Databases: SQLite, Hive, Mysql, Mongodb, Postgresql
Tools & DevOps: Git, GitHub, GitHub Actions (CI/CD)

Project Experience

LocateLost – Missing Children Reunification Platform   Flutter, OpenCv, GetX, AWS, Nodejs, Redis

- Developed multi-role mobile application enabling secure reporting and matching of missing children cases.
- Implemented AWS Cognito authentication with role-based access control.
- Integrated REST APIs for case management and notifications.
- Designed scalable image upload and cloud storage workflows using AWS S3.

Inforato – E-Commerce App with AI Virtual Try-On   Flutter, AWS, NestJS, FastAPI

- Built scalable Flutter UI architecture with structured state management.
- Integrated APIs for product catalog, authentication, and order workflows.
- Optimized image handling workflows for AI-based virtual try-on functionality.

Routinely – Habit Tracking Application   Flutter, SQLite, GetX

- Developed offline-first habit tracking app using local SQLite storage.
- Implemented persistent progress tracking and notification reminders.
- Configured GitHub Actions CI pipeline to automate Flutter builds and streamline deployment workflow.
- Deployed application to Google Play Store.

Education

Bachelor of Software Engineering   2021–2025
Mehran University of Engineering & Technology (MUET), Jamshoro

Leadership & Activities

- Co-Lead, Google Developer Student Clubs (GDSC), MUET
- President, Delta Tech Info (DTI)
- IEEE Student Member
- Technical Support Engineer, Elevate Studio

Languages

English, Urdu, Sindhi