

DAKSH YADAV

Flutter Engineer • Full-Stack Mobile Developer

sanjayadav20911@gmail.com | +917906927824 | Sector 44, Noida |
www.linkedin.com/in/daksh-yadav-Oa8842362

PROFESSIONAL SUMMARY

Flutter Engineer with 3+ years of hands-on experience building cross-platform mobile applications and real-time systems. Specialised in BLoC/Cubit state management, 60fps UI performance, and offline-first architectures. Proven ability to own complex end-to-end systems — from a real-time 3-app food delivery ecosystem with geospatial dispatch to a fully offline-capable social media platform. Comfortable extending into the full stack with Node.js, WebSockets, and Redis when needed. Actively seeking a Flutter role at a product company where mobile performance and architecture depth matter.

SELECTED PROJECTS

Foodly | Real-Time Delivery Ecosystem

Aug 2025 – Present

Tech Stack: *Flutter, Dart, BLoC, Node.js, Fastify, Redis, WebSockets, MongoDB, Razorpay, GCP*

- Designed and shipped **3 production-ready Flutter apps** (Customer, Restaurant, Driver) forming a complete real-time food delivery ecosystem — covering end-to-end order lifecycle, live state sync, and cross-app communication via WebSockets.
- Built a live driver-dispatch engine in Node.js + Redis using geospatial queries, implementing a 30-second time-boxed offer system with dynamic search-radius expansion — achieving **sub-300ms dispatch latency** under concurrent order loads.
- Eliminated raw GPS jitter on the customer map by engineering a custom Flutter tracking module using buffered interpolation and pseudo-3D sprite-sheet math — resulting in smooth, **near-zero-jank vehicle trajectory** rendering at 60fps.
- Engineered a **multi-restaurant cart system** in Flutter capable of managing deeply nested, customisable dish variants in local state, with robust client-server synchronisation secured by Razorpay payment sessions.
- Implemented **BLoC-driven state management** across all 3 apps with clear separation of UI, business logic, and data layers — enabling predictable state transitions and straightforward testability.

High-Fidelity Social Media Platform

Sep 2024 – Aug 2025

Tech Stack: *Flutter, Dart, BLoC/Cubit, Supabase, PowerSync, SQLite, Firebase, FCM*

- Architected a robust **offline-first Flutter app** using Supabase + PowerSync with a local SQLite cache — delivering a seamless zero-latency experience even on poor network conditions.
- Engineered optimistic UI state management for core social interactions (messaging, liking, commenting) backed by an automatic background sync engine that resolves local operation queues on network reconnect — with **zero data loss** across tested scenarios.
- Built a high-performance media pipeline handling custom video playback, automatic thumbnail generation, and BlurHash encoding for instant placeholder states — **reducing perceived media load time** significantly.
- Delivered a consistent **60fps scroll experience** across 50+ feed items using advanced Sliver patterns and render-object optimisation — profiling showed jank reduced from ~18% to near 0%.
- Configured **Dev / Staging / Prod flavors** with environment-specific build variants, streamlining CI/CD workflows and reducing environment-related release bugs.

SKILLS

Flutter & Dart

Flutter SDK, Dart, BLoC / Cubit, Provider, GoRouter (Navigator 2.0), Sliver patterns, custom scroll physics, widget & integration testing

Backend

Node.js, Fastify, RESTful APIs, WebSockets, Redis (geospatial + pub-sub), MongoDB, SQL

Payments & Auth

Razorpay session integration, Supabase Auth, Firebase Auth

Databases

MongoDB, SQLite, Firebase Firestore, Supabase (PostgreSQL), PowerSync

Mobile

Android (Java / XML), Android Studio, platform channels, FCM push notifications, deep linking, Play Store deployment

Cloud & DevOps

Google Cloud Platform (GCP), CI/CD (GitHub Actions / Codemagic), Dev/Staging/Prod flavors, environment configs

Media & UX

Custom video pipelines, BlurHash encoding, thumbnail generation, Lottie animations, optimistic UI

Languages

Dart, JavaScript, TypeScript, Java

EDUCATION

Master of Computer Applications (MCA)

Amity University, Noida

- Focus: Advanced Software Architecture

Aug 2024 – May 2026

Bachelor of Computer Application (BCA)

Chaudhary Charan Singh University

- Focus: Core Computer Science Principles

Aug 2021 – May 2024

Full source code available on request • Open to Flutter, Mobile, or Full-Stack roles