

GRANTHIK SOM

Flutter Developer | Dart | Cross-Platform Mobile Applications

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SUMMARY

Flutter developer with a strong record of shipping complete, working cross-platform applications built with Dart, Provider, and BLoC. Experienced across the full mobile development lifecycle -- UI design, third-party SDK integration (Google Maps, audio playback, device camera), state management, and Clean Architecture -- with a working knowledge of backend API development using Dart Frog. Comfortable owning a project end-to-end, from architecture through a functioning, demoable build.

TECHNICAL SKILLS

Languages: Dart (primary), Python, C, JavaScript

Frameworks: Flutter (Android, iOS, Web), Dart Frog

State Management: Provider, BLoC / Cubit, GetX

Backend & APIs: REST APIs, JWT authentication, Firebase (Auth, Firestore, Storage), JSON persistence

Testing: flutter_test (unit & widget tests), Mockito

Tools & Practices: Git, GitHub, GitHub Actions (CI/CD), Clean Architecture, Repository Pattern, Android Studio, VS Code

PROJECTS

Sedo -- Motorcycle Dashboard Application | Flutter, Dart, Provider, Google Maps SDK, audioplayers, image_picker

Repository: github.com/GranthikSom/sedo

- Shipped a complete 6-screen rider companion app integrating GPS navigation, speedometer, audio playback, and camera capture into a single dashboard -- replacing 3+ separate apps while riding.
- Integrated **google_maps_flutter** and **audioplayers** SDKs with **Provider**-based state management across all screens, keeping third-party dependencies decoupled via clean service-layer abstractions.

Musix -- Full-Stack Music Streaming Platform | Flutter, Dart, Dart Frog, Provider, JWT, audio_service

Repository: github.com/GranthikSom/musix

- Built a full-stack music streaming platform: Flutter client plus a self-built **Dart Frog** backend with REST endpoints for auth, songs, playlists, and file uploads, using JWT authentication with bcrypt hashing.
- Implemented a background-isolate file scanner for on-device audio indexing and a dedicated service layer separating playback state from the widget tree across a 50-commit feature-branch workflow.

VerticalBar -- Featured Übersicht Widget (Open Source) | JavaScript, React, Shell Scripting, macOS

Repository: github.com/GranthikSom/VerticalBar | Gallery: tracesof.net/uebersicht-widgets

- Developed a high-performance workspace sidebar widget for Übersicht on macOS with AeroSpace integration, selected for the official Übersicht Widget Gallery.
- Engineered an event-driven architecture using AeroSpace callbacks that eliminates background polling, achieving near-zero idle CPU usage.
- Built multi-monitor workspace tracking with automatic macOS app icon extraction/caching and real-time system status indicators (battery, Wi-Fi, audio).

ACHIEVEMENTS

- Featured in the official Übersicht Widget Gallery (tracesof.net/uebersicht-widgets) for the VerticalBar workspace sidebar widget.

EDUCATION

B.Tech, Computer Science & Engineering -- University of Engineering & Management (UEM), Jaipur

Expected July 2027

Relevant coursework: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Software Engineering