

SURIYA C

Flutter Developer | Mobile Application Developer

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PROFESSIONAL SUMMARY

Flutter Developer with 2 years of experience building, testing and maintaining cross-platform applications for iOS and Android. Proficient in Dart (OOP, async/await, null safety), the Flutter framework, RESTful APIs and JSON data structures, Firebase, and local databases (SQLite, Firestore, SharedPreferences). Skilled in UI/UX implementation, performance tuning, unit/widget/integration testing, debugging and Git-based team workflows. Delivered production apps in the insurance, fleet management, HR and pet-care domains using MVVM and Clean Architecture with secure authentication practices. Holds an MCA degree.

TECHNICAL SKILLS

Languages & Framework: Dart (OOP, Async/Await, Null Safety), Flutter (Widgets, Navigation, Forms, Animations)

State Management: GetX, Provider

APIs & Networking: RESTful APIs, Dio, JSON Parsing and Serialization, Token-based Authentication

Databases & Storage: Firebase Firestore, SQLite, SharedPreferences (CRUD operations, offline caching, real-time sync)

Firebase: Authentication, Firestore, Cloud Messaging (FCM), Crashlytics

UI/UX: Material Design, Responsive Layouts, Form Validation, Reusable Widgets, Navigation Flow Optimization

Architecture & Practices: MVVM, Clean Architecture, Object-Oriented Programming, SDLC, Agile Workflows, Code Reviews, Secure Coding

Testing & Debugging: Unit Testing, Widget Testing, Integration Testing, Troubleshooting, Performance Tuning, Crashlytics Analysis

Tools & Version Control: Git, GitHub, Bitbucket, Pull Requests, Android Studio, Postman, Google Maps API

PROFESSIONAL EXPERIENCE

Software Developer | Canvondor Software Solutions

Chennai, India | Sep 2024 – Present

- Design, build and maintain cross-platform Flutter applications using Dart OOP, null safety and a reusable widget architecture, delivering responsive UI/UX.
- Integrate RESTful APIs through Dio with JSON parsing, authentication and structured error handling; manage local data with SQLite and SharedPreferences.
- Implement Firebase Authentication, Firestore, FCM push notifications and Crashlytics across multiple production projects.
- Apply GetX and Provider for state management following MVVM and Clean Architecture to keep code modular, scalable and testable.
- Write unit, widget and integration tests; debug and resolve UI and performance issues across development and production builds.
- Apply security best practices including token-based authentication, role-based access control and secure API communication.
- Collaborate in an agile team across the SDLC using Git/Bitbucket branching, pull requests, code reviews and merge conflict resolution.
- Prioritize and deliver work across multiple concurrent projects in different business domains.

PROJECTS

Fleet Management System

Tech Stack: Flutter, Dart, GetX, Dio, REST APIs, Google Maps API, Firebase FCM

- Built a cross-platform Flutter app for real-time fleet vehicle and driver monitoring with modules for vehicle, driver and trip lifecycle management.
- Integrated RESTful APIs via Dio and Google Maps API for GPS tracking and route visualization; reduced data retrieval latency.
- Automated trip alerts using Firebase Cloud Messaging (FCM) and applied GetX state management for responsive UI updates.

Agent Policy Tracking Application

Tech Stack: Flutter, Dart, REST APIs, Firebase Firestore, SharedPreferences

- Developed a Flutter app for insurance agents to manage end-to-end policy lifecycles: issuance, renewals, add-on coverage and multi-member profiles.
- Integrated secure REST APIs with authentication; used Firebase Firestore and SharedPreferences for real-time sync and offline access.
- Optimized navigation flow using Flutter Navigator, reducing steps to access critical renewal and financial transaction data.

Happy Pet Spaw – Pet Care Application (happypetspaw.com)

Tech Stack: Flutter, Dart, REST APIs, Firebase Authentication, Firestore, FCM, SharedPreferences

- Built a cross-platform Flutter app enabling appointment booking for grooming and specialized pet care services.
- Created a responsive Material Design UI with form validation; integrated REST APIs for real-time slot availability and customer profile management.
- Used Firebase Authentication, Firestore, FCM for reminders, and SharedPreferences for offline caching.

Human Resource Management System

Tech Stack: Flutter, Dart, REST APIs, Firebase Authentication, FCM

- Developed an internal enterprise Flutter app for shift check-ins, leave tracking, employee profiles and payroll with role-based Firebase Authentication.
- Integrated attendance and payroll REST APIs with robust JSON error handling; configured FCM for instant leave approval notifications.

EDUCATION

Master of Computer Applications (MCA)

Scott Christian College | 2021 – 2023

Bachelor of Computer Applications (BCA)

Noorul Islam College of Arts & Science | 2018 – 2021