

VISHNULAL V M

Flutter Developer

+91 81389 46412 | Vishnulalvm007@gmail.com | Portfolio | LinkedIn | GitHub

Professional Summary

Results-driven **Flutter Developer** with experience delivering end-to-end mobile and web applications from concept to production. Strong in **Clean Architecture**, **BLoC**, and **real-time systems**, with a focus on scalable and maintainable code. Proven track record of launching and maintaining apps with **10k+ downloads**, managing full **App Store** and **Play Store** release cycles, and collaborating closely with cross-functional teams. Experienced in integrating **REST APIs**, **AI-powered features**, and secure authentication flows in fast-paced startup environments.

Technical Skills

Core Development:	Flutter, Dart, Clean Architecture, BLoC, Riverpod, Provider, MVC, DDD
Backend & Data:	Firebase (Auth, Firestore, Analytics, Cloud Messaging), REST APIs, Hive, SQLite, Web-Socket, Firebase Realtime Database
Mobile Features:	In-App Purchases, Subscriptions, Push Notifications, Dynamic Links, App Store & Play Store Release Management, ASO, CI/CD Basics
Tools & UI:	Git, GitHub, Figma, Postman, Google Analytics, Android Studio, VS Code, Responsive UI Design, Widget Optimization

Experience

Mobile App Developer <i>HungrX (Startup)</i> ▶ <i>Play Store</i> 🍏 <i>App Store</i> – Built and launched the HungrX mobile app from scratch using Flutter , Clean Architecture , and BLoC , ensuring a scalable and maintainable codebase. – Developed core user features including onboarding, food logging, meal planning, and profile management with consistent state handling. – Implemented AI-powered features such as food image recognition and voice-based logging via external AI/ML services. – Integrated REST APIs , authentication flows, and secure token management with robust error handling. – Added In-App Purchases and subscription logic with premium feature gating and purchase restoration. – Owned complete App Store and Play Store release cycles, including signing, testing, and store listing updates.	Oct 2024 – Oct 2025 Thrissur, India
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Key Projects

LOTTO – Kerala Lottery Results – Designed and launched a production Flutter application using Clean Architecture and BLoC . – Achieved 10k+ downloads with strong user engagement and retention. – Implemented OCR-based ticket scanning for fast result validation. – Built analytics features including pattern detection and history comparison. – Generated shareable PDF reports for result tracking. – Integrated real-time APIs with offline caching and fallback handling. – Implemented AdMob monetization (banner + interstitial). – Tracked usage and engagement using Firebase / Google Analytics .	▶ <i>Play Store</i> 🔄 <i>Source</i>
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SMART CHITS – Financial Management App

 Play Store  Source



- Architected a **production-ready Flutter app** using **Clean Architecture** and **BLoC**.
- Designed an **offline-first architecture** using Hive with automatic Firestore synchronization.
- Built a **real-time financial dashboard** aggregating 10+ metrics via stream-based listeners.
- Implemented a **FIFO-based loan repayment algorithm** with automatic interest calculation.
- Handled **multi-loan settlement** with intelligent payment distribution logic.
- Integrated Firebase **Auth, Firestore, and Storage** across all business workflows.
- Implemented secure **role-based access control** supporting multiple user roles.
- Developed **WhatsApp-formatted financial reports** with export and clipboard integration.
- Ensured **fully responsive UI** across devices using adaptive layouts and scaling utilities.

VISIBLE – Local Service Finder

WebSockets, JWT  Source

- Developed a dual-sided real-time marketplace for users and service providers.
- Implemented live service discovery using **WebSocket-based** communication.
- Enabled real-time booking and availability updates without refresh.
- Built an in-app **live chat system** with read receipts and typing indicators.
- Designed secure authentication using **OTP-based login**.
- Implemented **JWT token management** with refresh and expiry handling.
- Added **role-based dashboards** for users and providers.
- Designed responsive UI flows across multiple device sizes.

SKIPQ - Queue Management System

 Live Demo  Source

- Developed a real-time queue and token management system using **Flutter Web**.
- Integrated **Firebase Realtime Database / Firestore** for live synchronization.
- Implemented instant queue state updates across all connected clients.
- Designed separate **Admin** and **Display Screen** interfaces.
- Enabled live queue viewing on TV and monitor displays.
- Implemented operational metrics such as queue length and tokens served.
- Handled concurrent updates safely using Firebase transactions.
- Ensured fully responsive UI across desktop, tablet, and mobile devices.

Education

Bachelor of Technology in Mechanical Engineering

Universal Engineering College

2019 – 2022

Kerala, India

Flutter Development (Self Learning Program)

Prototype

Field of Study: Mobile App Development