

# Venkatesh P

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## About Me

- I'm Venkatesh, an experienced Flutter developer with 2.6 years of expertise in building innovative and user-friendly mobile applications for both Android and iOS. I'm passionate about leveraging Flutter to deliver high-quality, scalable, and efficient solutions. I have hands-on experience with Firebase, Stripe, RevenueCat, and real-time features like chat and push notifications. I enjoy solving complex UI/UX challenges and continuously strive to write clean, maintainable, and performant code.

## Experience

- **App innovation Technology (Senior Flutter Developer)** 2022 - 2025
  - Developed and maintained cross-platform mobile apps for Android and iOS using Flutter.
  - Integrated Firebase Authentication for social login (Google, Facebook, Apple) and email-password authentication.
  - Implemented image and video editing features using FFMPEG, filters, and effects.
  - Built real-time chat with Firebase, push notifications, and AES encryption.
  - Optimized performance with GetX state management and local database caching.
  - Collaborated with UI/UX designers using Figma to create responsive interfaces.
  - Utilized Agile methodologies and Jira for task management and sprint planning.
  - Developed Stripe payment integration for subscriptions.
  - Implemented in-app purchases using RevenueCat.
  - Developed deep linking functionality using Branch.io.

## Projects

- **QShot – Photo and Video Editor (Android & IOS)**
  - Built an authentication system with multiple social login options, including Google Sign-In and Apple Sign-In.
  - Engineered FFMPEG-based video processing with speed control and timeline features.
  - Developed image editing tools such as filters, text overlay, and collage creation.
  - Implemented undo and redo functionality using local cache storage.
  - Built advanced video processing features including reverse, trim, cut, crop, and speed adjustment.
  - Integrated in-app purchase functionality using RevenueCat.
  - Optimized performance through isolate-based compression techniques.
  - Developed screenshot functionality to capture images.
  - Created video compression functionality using the isolate method.
  - Developed drag-and-drop functionality for collages to rearrange image positions.
  - Designed cross and multi-shape collages using CustomPainter.
- **GAS – Medical Case Management App (Android & IOS)**
  - Created a doctor-oriented platform for case management with Firebase integration.
  - Implemented AES encryption for secure messaging and used SQLite for offline functionality.
  - Designed an intuitive UI with drag-and-drop positioning.
  - Developed local authentication and biometric authentication.
  - Built a network speed detector to handle and adapt to various network types (2G, 3G).
  - Integrated Firebase push notifications for both Android and iOS.
  - Implemented real-time chat functionality for group and individual messaging using Firebase Realtime Database.
  - Developed multiple REST API methods including GET, POST, PUT, and DELETE.
  - Developed image size compression using the image package with the isolate method to avoid UI crashes.

- **Mentor.Social – Mentorship Platform (Android & IOS)**
  - Developed a networking app with Firebase authentication and web integration.
  - Incorporated LinkedIn authentication for professional user verification.
  - Integrated the Stripe payment system with Apple Pay for secure transactions.
  - Built comprehensive media playback features with a responsive UI design.
  - Integrated Firebase push notifications for both Android and iOS.
  - Implemented in-app purchases for membership plans, including monthly and yearly subscriptions.
  - Developed multiple REST API methods, including GET, POST, PUT, and DELETE.
  - Created a video and audio player capable of handling various media formats.
  - Implemented deep linking functionality for specific page navigation using Branch.io.
  - Developed background fetch and background upload functionality.
- **Coding Kidz – Educational App (Android & IOS)**
  - Engineered a customizable UI with theme switching (dark and light modes) and text size controls (small, medium, large).
  - Implemented the Stripe payment gateway for monetization.
  - Integrated Firebase for push notifications and authentication services.
  - Developed synchronized text-audio highlighting for interactive learning experiences.
  - Created interactive mini robot movement boards as part of a game feature.
  - Developed a dynamic user interface supporting both portrait and landscape modes.
  - Implemented full-screen handling for the game board view.
  - Developed animation effects for the game board view.
- **Rekap – Event Management App (Android & IOS)**
  - Built an authentication system with multiple social login options (Google Sign-In, Apple Sign-In).
  - Integrated Stripe payment processing for event transactions.
  - Developed a real-time event database using a Firebase backend.
  - Created a calendar interface for individual and group event management.
  - Implemented push notifications to alert all group members when a new event is created.
  - Developed weekly and monthly alert events.
  - Developed user role management and invite status tracking.
- **Rekap Web – Admin panel (Flutter Web)**
  - Engineered a responsive Flutter web application with cross-platform compatibility.
  - Designed an analytics dashboard for comprehensive user statistics.
  - Developed administrative tools for user management and moderation.
  - Implemented user blocking and deletion functionality.
  - Developed features to display total users and subscribed users.
  - Deployed the web app using Firebase Hosting.

## Skills

- Languages: Dart, Flutter
- Mobile: Flutter (Android & iOS), Firebase, GetX, Bloc, REST APIs, SQLite
- Tools: Android Studio, Xcode, Visual Studio Code, Figma, Postman, Jira, FFMPEG, Stripe SDK
- Play Store
- App store
- Git
- GitHub
- Team handling

## Education

- **Mannar Thirumalai Naicker College**  
Bachelor of Commerce in Computer Applications  
Grade : A

2018 - 2021