PARTH PATEL

Flutter Developer | Mobile Application Developer | .NET MAUI | AI-Assisted Development

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PROFESSIONAL SUMMARY

Flutter Developer and Mobile Application Developer with 4.5+ years of experience building cross-platform Android and iOS applications using Flutter, Dart and .NET MAUI, with 5+ apps published on the Google Play Store and Apple App Store. Skilled in MVVM architecture, Riverpod state management, responsive UI design, REST API integration, Firebase and offline-first data sync. Experienced in AI-assisted development and building LLM-powered applications with LangGraph and RAG. Strong in unit testing, integration testing, debugging and code reviews.

TECHNICAL SKILLS

- **Mobile:** Flutter, .NET MAUI, Android, iOS
- **Languages:** Dart, C#, XAML, Python
- **Architecture:** MVVM, Clean Architecture, Dependency Injection, State Management (Riverpod, Bloc, Provider)
- **Backend & Data:** RESTful APIs, Dio, WebSocket, Firebase, Cloud Firestore, Firebase Crashlytics, Firebase Analytics, SQLite, Hive, Offline Sync
- **AI Tools & LLM:** Claude Code, Codex, Antigravity, Qoder, OpenCode, LangChain, LangGraph, RAG, Google OR-Tools
- **Tools:** Git, CI/CD, Android Studio, VS Code, Xcode, App Store & Google Play Deployment, Agile / Scrum

WORK EXPERIENCE

Mobile Application Developer | Eventtan Pvt. Ltd., Ahmedabad — Nov 2022 - Present

- Developed and released 5+ cross-platform mobile apps for Android and iOS using Flutter, Dart and .NET MAUI, from UI design to Apple App Store and Google Play Store deployment.
- Built scalable Flutter apps with MVVM architecture, Riverpod state management, reusable UI components and REST API integration.
- Wrote unit and integration tests and integrated Firebase Analytics and Firebase Crashlytics to track usage and reduce production defects.
- Used AI-assisted development tools for coding, debugging, code reviews, refactoring and testing to speed up delivery.
- Worked in Agile / Scrum teams with product managers, designers and QA across sprint planning, stand-ups and code reviews.

Key Projects

Fit Republik – Gym & Fitness Membership App (Android & iOS)

Tech Stack: Flutter, Dart, REST APIs, Firebase Push Notifications, Deep Linking, Google ML Kit

- Developed a Flutter app for membership purchases, class schedules and class booking up to 7 days ahead, with personalized booking suggestions and personal training (PT) booking.
- Built self-service features for contract details, instalment plans, membership freeze, e-signatures and document uploads.
- Implemented contactless gym check-in using dynamic QR codes, face recognition and Emirates ID scanning with Google ML Kit OCR.
- Redesigned the notification centre with Firebase push notifications and deep linking, and added in-app support chat with the CRM team.

Bloomz – School Communication Platform (Android, iOS & Web)

Tech Stack: Flutter, Dart, Flutter Web, MVVM, Riverpod, Freezed, REST APIs, Dio, WebSocket, Hive, Firebase, Push Notifications, AWS S3, SSO, Localization

- Developed a cross-platform school communication app using Flutter, Dart and Flutter Web, connecting schools, teachers, parents and administrators through real-time messaging, announcements, events, calendars, forms, portfolios and classroom updates.
- Implemented MVVM architecture with Riverpod state management and Freezed data models, and integrated REST APIs using Dio, WebSocket communication, Hive local storage and AWS S3 media uploads with background upload support.
- Implemented real-time translation for 250+ languages, multi-language localization with RTL support, SSO (Google, Microsoft, Apple) and role-based access control, and deployed production releases to the Apple App Store and Google Play Store.

Speedy Hire – Tools & Equipment Hire App (Android & iOS)

Tech Stack: Flutter, Dart, MVVM, Riverpod, REST APIs, Google Maps

- Developed a cross-platform Flutter app for tool and equipment hire and purchase, covering product browsing, availability checks, ordering and rental management.
- Integrated Google Maps for nearby service centre search, real-time delivery tracking and in-app off-hire returns.
- Integrated REST APIs with backend teams for product catalogue, orders, depot locations and delivery tracking.

PSI Access – Process Safety Management Mobile App (Android & iOS)

Tech Stack: .NET MAUI (.NET 10), C#, XAML, MVVM, SQLite, Firebase, Cloud Firestore, Google Cloud Storage, REST APIs

- Developed an enterprise cross-platform mobile app using .NET MAUI and C# for OSHA Process Safety Management (PSM) compliance, deployed to the Apple App Store and Google Play Store.
- Engineered an offline-first architecture with SQLite local storage, automatic data sync to Google Cloud Firestore and an offline upload queue for photos and documents to Google Cloud Storage.
- Delivered core modules (Mechanical Integrity, Operator Rounds, Hot Work Permits, Contractor Management) using MVVM, Dependency Injection and the Repository Pattern, integrated with REST APIs.
- Contributed to a zero-downtime database migration from Couchbase to Firebase, completed module by module for production users.

SleepImage – Healthcare Home Sleep Testing App (Android & iOS)

Tech Stack: .NET MAUI, Xamarin.Forms, C#, Bluetooth Low Energy (BLE), Background Services, Local Storage, Cloud Sync

- Contributed to the Xamarin.Forms to .NET MAUI migration of an FDA-cleared home sleep testing app, resolving UI, platform-specific and Bluetooth issues to improve performance and stability.
- Implemented Bluetooth Low Energy (BLE) device scanning, pairing and background data recording for overnight sleep tests using wearable sensors.
- Developed patient onboarding, offline local storage and cloud sync for secure sleep study uploads to a clinical portal used for sleep apnea diagnosis.

Sketchplay AI Scheduler – AI Tournament Scheduling Platform (Web, Python Backend)

Tech Stack: Python, LangGraph, LangChain, Anthropic Claude API, OpenAI API, Google Gemini API, Google OR-Tools (CP-SAT), RAG, Qdrant, Pydantic

- Built an AI scheduling platform where organizers write rules in plain English and an LLM agent generates conflict-free match schedules across teams, venues, courts and time slots.
- Developed an AI chatbot with LangGraph and Anthropic Claude that converts natural-language rules into scheduling constraints, solved with the Google OR-Tools CP-SAT solver.
- Implemented RAG with Qdrant and AI document parsing of PDF, Word and Excel rulebooks to automatically extract teams, divisions and rules.
- Improved reliability with LLM self-correction, Pydantic validation, follow-up questions for unclear rules and suggested fixes for rule conflicts.

Android Developer | Aimperior Technologies, Ahmedabad — Feb 2022 - Oct 2022

- Started as an Android Developer Intern (3 months) and was promoted to Android Developer, building native Android apps with Java and the Android SDK.
- Developed real-world Android applications with UI design, REST API integration and Android activity lifecycle management.

AI PROJECTS

Script-to-Video AI Platform

Tech Stack: Python, LLM APIs, AI Agents, Text-to-Speech, AI Image & Video Generation

- Built an AI platform that automatically converts a written script into a finished video, using LLM agents to split scripts into scenes and generate narration and visual prompts.
- Orchestrated a multi-step AI pipeline for image and video generation, text-to-speech voice-over and automated video assembly.

EDUCATION

Bachelor of Engineering (B.E.) in Computer Engineering — **2018 - 2022**

S.P.B. Patel Engineering College (Saffrony), Mehsana

AWARDS & RECOGNITION

- Certificate of Recognition – Speaker, AI-Driven Technology Session (Sep 2026)
- Star Performer Award – Eventtan Pvt. Ltd. (Feb 2026)
- Customer Hero Award – Eventtan Pvt. Ltd. (Oct 2025)
- Employee of the Month – Eventtan Pvt. Ltd. (Jan 2025)