

AMARBABU T

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OBJECTIVE

Flutter Developer with 3 years of experience building cross-platform mobile apps and responsive web applications using Flutter and React.js. Seeking a full-time position to contribute to high-quality, scalable, and user-centric app solutions. Eager to apply strong UI/UX skills, clean architecture practices, and a passion for performance optimization in a dynamic development environment

WORK EXPERIENCE

Mobile App Developer

09/2025 – Present

Insasoft Technologies

Flutter Floor Management App (Flutter • Bloc • Chopper • Rest Apis • Clean Architecture • ably notifications • Firebase) Working on a fully featured tenant management system with multiple user types and user specific screen, For each type of login bloc is managing the states and different types of ui are shown

Flutter Developer Consultant (Freelance)

05/2025 – 09/2025

CodeScribo Technologies

- **Flutter E-commerce App (Shopify Storefront Integration)** (Flutter • Riverpod • GraphQL • Shopify Storefront API • MVVM • Clean Architecture) Built a **full-featured e-commerce app** integrated with **Shopify Storefront GraphQL APIs** for **scalable performance** and **seamless shopping**. Implemented **product catalog, wishlist, order history, profile editing, and dynamic filtering** via **Shopify metafields**. Delivered **responsive UI, marketing preference toggle, form validation, and auto-refreshing updates**. Used **Riverpod** for **state management**, **GoRouter** for **navigation**, and followed **MVVM clean architecture** for **maintainability**.
- **Observation & Task Management App** (Flutter • Bloc/Cubit • Drift • Sembast • get_it • Clean Architecture) Supported and enhanced an **offline-first field data collection app** with **checklists, dynamic forms, image capture, and network-aware syncing**. Improved **stability and scalability** by **refactoring modular code**, maintaining **clean architecture**, and leveraging **Drift & Sembast** for **local persistence**.

Software Engineer

01/2023 – 06/2025

Perfectz Digital 🌐

- **School Bus Management App** (Flutter • Riverpod • Firebase • OpenStreetMap • Telpo Devices) Developed separate **staff** and **parent apps** for **real-time bus tracking** and **student safety**. Integrated **RFID check-in/out** with **Telpo biometric devices, GPS live tracking, and FCM notifications**. Delivered **responsive UI** with **clean architecture** and **scalable Riverpod state management**.
- **Multi-faceted E-commerce Platform** (Flutter • Firebase • Stripe • Medusa API • Riverpod/GetX) Built **three role-specific apps** (User, Driver, Store) with **seamless UI/UX**. Integrated **Stripe payments, Google Sign-In/OTP login, and real-time order notifications**. Utilized **Riverpod/GetX** for **state management** and managed **TestFlight/Firebase distributions**.
- **Bookezy – Service Booking App** (Flutter • Riverpod • REST API) Led **UI/UX development** for **smooth booking flows** with **secure authentication** and **editable profiles**. Connected to **custom REST APIs** for **real-time service discovery, booking, and scheduling**.
- **ShopLite – E-commerce Web App** (React • Vite • Redux • REST API • Firebase • AWS S3) Built a **high-performance, responsive web app** with **reusable components**. Implemented **Redux state management, RESTful APIs** for **products, cart, and checkout**, plus **FCM notifications**. Deployed on **AWS S3** with **modular architecture** for **scalability and maintainability**

SKILLS

Technical Skills – Flutter, FlutterFlow, Dart, Firebase (Auth, Firestore, FCM, Realtime DB), REST APIs, GraphQL, Stripe Integration, Google Sign-In, OTP Login, Clean Architecture, MVVM, MVC, Riverpod, GetX, TestFlight, Firebase App Distribution, Unit Testing, UI Testing, Git, GitHub, Jira, Redux, Vite, AWS (S3), OpenStreetMap, Telpo Device Integration.

Soft Skills – Communication, Teamwork, Problem-Solving, Adaptability, Critical Thinking, Leadership, Time Management, Decision Making, Collaboration, Self-Motivation

EDUCATION

B.TECH - Information Technology

2018 – 2022

School of engineering, Cusat

PROJECTS

AI-Powered Grammar Correction App

Flutter • Gemini API • speech_to_text • flutter_tts • Camera Preview

Designed and developed a **multimodal Flutter application** that leverages the **Gemini API** for **real-time grammar correction**.

- Integrated **camera preview** for live video input, **speech-to-text** via the speech_to_text package for accurate voice capture, and **text-to-speech** playback using flutter_tts for auditory feedback.
- Delivered an **immersive, accessible user experience** by combining visual, auditory, and voice interfaces.
- The app enhances **communication and language learning** by providing **instant grammar corrections** through a seamless audio-visual interaction flow.

Cross-Platform Chat & Location App

06/2025 – 06/2025

Developed a feature-rich chat application using **Flutter**, enabling **real-time messaging** through **Firebase push notifications** with **local SQLite storage** for offline access.

- Integrated **QR code scanning** for secure device token exchange between users.
- Built **multi-platform support** (Android, iOS, Web) with **bilingual UI (English/Arabic)** and persistent session handling.
- Fetched dynamic **country list via REST API** and rendered **Google Map view** with 2km geofencing to highlight nearby **lakes and ponds**.
- Followed **MVC pattern** and used **Riverpod** for efficient state management.

GPA-Gram panchayath app

An android application developed using Flutter, Dart, and Firebase to make the panchayath members available for the citizens. Also to aware peoples about various activities held by grama panchayath.

OPEN SOURCE CONTRIBUTIONS

Flutter Responsive Kit

01/2025 – present

Flutter Package - Self published

Flutter • Dart • Responsive Design • Package Development

Developed and published a **lightweight, extensible Flutter package** to streamline building **responsive UIs** across mobile, tablet, and desktop platforms.

- Introduced reusable utilities like ResponsiveBuilder, ResponsiveText, ResponsiveGrid, and layout helpers for adaptive UI construction.
- Supports **dynamic breakpoints**, clean layout APIs, and seamless integration into **scalable multi-platform apps**.
- Focused on **developer experience**, with intuitive APIs, clear documentation, and consistent updates.
- Designed for flexibility and extensibility, with a roadmap for **custom widget support**, performance enhancements, and community contributions.

PUBLICATIONS

Medium Article

: <https://medium.com/@amarbabutharol/understanding-certificate-transparency-in-flutter-enhancing-app-security-773965727a10> 