JACKSON E
Flutter Developer

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PROFILE SUMMARY

Innovative and detail-oriented **Fullstack Developer** specializing in building robust mobile applications with **Flutter** and scalable backend services using **FastAPI**. Experienced in designing and implementing RESTful APIs, integrating PostgreSQL databases, and delivering seamless frontend–backend communication. Skilled in crafting intuitive, high-performance cross-platform apps with a focus on **clean code**, **security**, and **user experience**. Adept at handling the complete development lifecycle, from concept to deployment, for mobile-first solutions.

TECHNICAL SKILLS

- **Programming Languages:** Dart, Python
- **Front-End Development:** Flutter (Mobile UI/UX, Responsive Design)
- **Back-End Development:** Firebase ,Fast API
- **Database:** Firebase ,PostgreSQL
- **Integrations & Tools:** Firebase Authentication, Firebase Cloud Messaging (FCM), REST APIs
- **Version Control:** Git, GitHub

PROJECTS

SeaShop - Fish Selling App   🔗 **GitHub**   🔗 **Live Link**

A full-featured Android app built using Flutter, designed for a a fresh sea fish delivery business with separate interfaces: **User** , **Owner**, and **Delivery Person**. The app offers real-time updates, seamless order tracking, and secure payment integration for a complete e-commerce experience. Optimized for performance with a clean UI, structured architecture, and scalable **Firebase backend**.

Key Features & Integrations

- **Firebase Authentication:** Secure login/signup for all users.
- **Firebase Realtime Database:** Live order status and inventory updates.
- **Google Maps API:** Real-time delivery tracking with custom markers
- **Razorpay Integration:** Instant and secure online payments.
- **Flutter Widgets:** StreamBuilder, Future Builder, Google Map, ListView builder,Bottom NavigationBar, Drawer, CustomDialogs.

Employee Portal App

A full-functional internal employee portal mobile application designed to streamline employee activities such as leave management, work tracking, and profile handling. Built using Flutter with a clean **BLOC architecture**, **integrated APIs**, and tested for reliability using **BLOC tests**.

- Weekly, monthly, and last month work hours displayed with interactive charts.
- Employees can apply for leaves and view leave history.
- Implemented scanning feature for attendance/validation.
- View and manage employee details with logging options.
- Real-time data sync with backend services.
- Implemented structured architecture with BLoC testing for stability.
- Designed a user-friendly and responsive interface for smooth employee experience.

Calender Application

This calendar app is a cross-platform solution designed for both **iOS** and **Android**, offering a smooth and flexible scheduling experience. It supports multiple calendar views, local and **push notifications**, and offline access, all built with a clean and testable architecture using Flutter.

- Cross-platform support for iOS and Android using Flutter
- Day view, week view, and month view for easy navigation
- Event creation, editing, and deletion functionality
- **Local notifications** to remind users of scheduled events
- Push notifications via **Firebase Cloud Messaging** (FCM)
- Offline data storage with **SQFlite** for persistent local access
- Follows Clean Architecture principles for modular code structure
- State management handled using **BLoC** pattern
- Includes unit **tests** for **BLoC** to ensure code reliability

MINI PROJECTS

Weatherly - Weather Checking App
- Developed a user-friendly weather app with a clean UI for checking current weather conditions.
- Integrated live location fetching and manual city name input for flexible weather access.
- Utilized **OpenWeatherMap API** to fetch real-time weather data based on user location.

Spotify Clone
- Developed a full-featured Spotify-like music streaming app with a sleek and responsive user interface.
- Integrated Firebase Firestore to store, manage, and retrieve song data in real time.
- Utilized **BLoC** for efficient state management, ensuring smooth playback control and dynamic UI updates.

EDUCATION

Flutter Application Development
TuteDude Academy   🔗**Certificate** May - 2025

Bsc - Computer Science
Manonmaniam Sundaranar University   2022 - 2025

WORK EXPERIENCE

Flutter Developer (Freelance)   April 2024 - May 2025
Self Employed

Flutter Developer (Onsite)   June 2025 - Present
NexSofture,Lakshmipuram