

# Albin PK

Software Developer - Ernakulam, kerala, india

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## SUMMARY

Innovative and results-driven Flutter Developer with 3 years of experience in developing, deploying, and maintaining cross-platform mobile, web, and desktop applications. Proficient in building scalable, user-centric solutions using modern tools and frameworks. Adept at streamlining workflows, leading technical projects, and delivering high-quality software. Skilled in creating maintainable architectures and contributing to open-source projects.

## PROFESSIONAL EXPERIENCE

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**Software Engineer** - Glidix Technologies LLC

**Apr 2025 – Present**

- **Petstore POS**

Tech Stack: Flutter, Riverpod, Rhttp, SQLite, Drift

Platform: Windows, macOS

An offline-first Point of Sale (POS) application built for desktop, tailored for pet stores offering both product sales (e.g., pet food) and services (e.g., grooming, daycare, walking). The app features robust offline capabilities with seamless data synchronization when connectivity is available.

Key Contributions:

- Designed and implemented core architecture with an offline-first approach using Drift and SQLite for local persistence.
- Developed modules for order management, customer records, and invoice generation.
- Implemented reliable sync mechanisms to keep local and remote data consistent.
- Ensured a smooth and responsive UI tailored for desktop usage and optimized for service-heavy workflows.

- **Thumbay Labs Application**

Tech Stack: Flutter, Riverpod, Rhttp, GoRouter, Google Maps, Firebase

Platform: Android, iOS

A healthcare application designed for Thumbay Labs with two distinct modules—one for customers and another for collection centers. Customers can browse lab test packages, book appointments, and receive test results through the app, while collection centers manage sample pickups and result delivery.

Key Contributions:

- Developed and maintained core components including networking, routing, and state management.
- Integrated key features such as test package search, appointment booking, and result delivery.

- Implemented Google Maps for location-based services and Firebase Push Notifications for timely updates.
- Ensured modular, scalable code architecture and optimized performance for both user and collection center workflows

**Software Engineer** - VAAS Intelligent Technology Services Pvt. Ltd

**Dec 2022 – Apr 2025**

- **Chavara Matrimony App**

Tech Stack: Flutter, Riverpod, Freezed, Dio, Hive, GoRouter, Fastlane, GitHub Actions

Platform: Android, iOS

Released on - [Play Store](#) and [App Store](#)

Led the front-end development of an innovative matrimonial platform built using Flutter, focused on delivering a modern, user-friendly matchmaking experience. Emphasized clean architecture, seamless performance, and efficient navigation to meet the evolving needs of users seeking long-term connections.

Key Contributions:

- Architected core application layers, including networking, state management, theming, and routing using scalable and maintainable patterns.
- Developed and shipped multiple new features with a responsive UI that adapts across devices.
- Integrated major payment gateways including PayU, UPI, and CCAvenue for secure and flexible transactions.
- Wrote and maintained unit, widget, and integration tests to ensure app reliability and performance.
- Set up CI/CD pipelines using Fastlane and GitHub Actions for automated build, testing, and deployment processes.
- Participated in code reviews and ongoing refactoring to improve code quality and maintainability

- **Eat and Drink - Market Application**

Tech Stack: Flutter, Riverpod, Dio, Hive, Drift (SQLite)

Platform: Mobile & Tablet

Released on - [Play Store](#)

An offline-first warehouse management solution built with Flutter to streamline operations such as inventory control, stock tracking, and order fulfillment. Designed for mobile and tablet use, the application enables users to perform critical tasks without internet connectivity, with automatic synchronization once the device is back online.

Key Contributions:

- Developed responsive and adaptive UI optimized for both mobile and tablet interfaces.
- Implemented inventory tracking and order processing workflows, ensuring smooth offline handling and reliable data persistence.
- Integrated external APIs with automatic data sync upon reconnection to the network.
- Identified and resolved bugs, optimized rendering and state handling for improved performance in constrained environments

- **Eat and Drink - POS Application**

Tech Stack: Flutter, Riverpod, Freezed, Dio, Hive, Drift, Shelf

Platform: Mobile, Web, Desktop

Released on - [Microsoft Store](#)

A cross-platform Point of Sale (POS) application tailored for restaurant operations, built using Flutter. The system streamlines order management, payment processing, and inventory control across mobile, desktop, and web platforms. It incorporates a built-in Dart-based backend using Shelf, enabling fast and lightweight server functionality.

Key Contributions:

- Developed new features to support order processing, payment flows, and inventory workflows.
- Built responsive UIs optimized for both mobile and desktop use cases.
- Integrated RESTful APIs using Dio with Riverpod for state and dependency management.
- Implemented backend APIs using Dart Shelf and Drift for efficient local data handling.
- Performed ongoing code maintenance including bug fixing, performance tuning, and refactoring for improved reliability

- **Inhabitr - Order Tracking System**

Tech Stack: Flutter, Riverpod, Dio, Hive, Drift, GoRouter

Platform: Android, iOS

A cross-platform order tracking system developed to manage and monitor the furnishing and delivery process for rental properties. The system provides real-time updates, supports inventory management, and integrates seamlessly with backend services through APIs.

Key Contributions:

- Built responsive and consistent UI experiences across mobile and desktop platforms.
- Developed and enhanced order tracking functionalities with a focus on real-time updates and smooth user interaction.
- Integrated RESTful APIs using Dio and Riverpod for robust state and data management.
- Performed bug fixes, code refactoring, and performance tuning for better runtime efficiency and maintainability.

- **Eat and Drink – User App**

Tech Stack: Flutter, REST API, Payment Integration

Platform: Android, iOS

Released on - [Play Store](#) and [App Store](#)

A user-focused food delivery application designed to provide a smooth and engaging ordering experience. The app allows users to browse menus, place orders, and make payments seamlessly, enhancing overall convenience and satisfaction.

Key Contributions:

- Developed and maintained a cross-platform mobile application using Flutter for Android and iOS.
- Designed and implemented an intuitive UI enabling smooth menu browsing and quick

order placement.

- Integrated payment gateways to support secure and efficient transactions.
- Focused on optimizing user flow and responsiveness for a seamless food ordering experience

- **Eat and Drink – Delivery Partner App**

Tech Stack: Flutter, Rhttp, MVC

Platform: Android, iOS

Released on - [Play Store](#)

A mobile application built for delivery personnel to efficiently manage and fulfill food delivery orders. The app provides real-time order updates, optimized delivery routes, and essential delivery management tools to ensure timely and accurate order handling.

Key Contributions:

- Developed an intuitive interface tailored for delivery partners to manage active and past orders.
- Implemented features for order pickup, delivery status updates, and proof-of-delivery workflows.
- Integrated APIs using Rhttp to enable real-time synchronization of order assignments and status.
- Handled application state and network interactions for smooth and responsive performance during active deliveries.

- **ServiceLite**

Tech Stack: Flutter, GetX, Dio, Hive

Platform: Android, iOS

Released on - [Play Store](#)

A service management application built to help businesses streamline operations and enhance customer satisfaction. ServiceLite enables appointment scheduling, staff management, and real-time communication with customers, offering a complete solution for efficient service delivery.

Key Contributions:

- Developed and integrated new features to support scheduling, staff coordination, and customer interactions.
- Created intuitive and responsive UIs to deliver a seamless user experience.
- Integrated RESTful APIs using Dio and implemented robust state management with GetX.
- Fixed bugs, optimized performance, and refactored code for better maintainability and scalability

- **Cliniqally – Doctor Application**

Tech Stack: Flutter, GetX, Dio (REST API), Hive

Platform: Android, iOS

Released on - [App Store](#)

A mobile application designed for healthcare professionals to manage their daily workflow efficiently. The app offers functionalities such as appointment scheduling, patient record

management, e-prescriptions, billing, and communication features, helping doctors deliver better care while optimizing operations.

Key Contributions:

- Implemented new features to support core functionalities like scheduling, prescriptions, and billing.
- Designed and built intuitive and clean UI screens for a professional and user-centric experience.
- Integrated REST APIs using Dio and managed state effectively using GetX.
- Resolved bugs and performed refactoring to enhance code maintainability and performance

- **Clinically – Patient App**

Tech Stack: Flutter, GetX, Dio, Hive

Platform: Android, iOS

Released on - [App Store](#)

A patient-centric mobile application designed to simplify and enhance the healthcare experience. The app enables users to book appointments, view medical records, manage prescriptions, and securely communicate with healthcare providers, promoting better engagement and health outcomes.

Key Contributions:

- Developed and integrated new features to support patient-focused services like appointment booking and health record access.
- Designed clean and responsive UI components for an intuitive and accessible user experience.
- Integrated RESTful APIs using Dio and managed app state using GetX for consistent and reactive performance.
- Addressed bugs, optimized performance, and refactored code for improved stability and maintainability.

## PERSONAL PROJECTS

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- **flu\_cli**

Tech Stack: Dart, Rust

Released on: [Pub](#)

A fast project scaffolding tool and code generator for Flutter, built with Dart and Rust. It enables developers to quickly generate boilerplate code and project structure, combining the flexibility of Dart with the performance of Rust-based processing

- **Flutter Onscreen Keyboard**

Tech Stack: Flutter, Dart

Released on: [Pub](#)

A customizable on-screen keyboard package for Flutter applications, designed to support desktop and touch-based form input where physical keyboards may not be available.

- **J2M - Json to Model Converter**  
Tech Stack: Flutter web, GitHub Pages  
Released on: [Web](#)

A web-based developer tool that converts JSON into model classes for Dart, JavaScript, Kotlin, and other languages. Offers property-level customization options to streamline model generation.

- **ZapCall**  
Tech Stack: Flutter, WebRTC, Firebase  
Released on: [Web](#)

A real-time video calling application built using Flutter with WebRTC for peer-to-peer communication and Firebase for signaling.

- **Spark Board**  
Tech Stack: Flutter, Express.js, PostgreSQL  
Released on: [Web](#)

A task management application featuring a Kanban board interface. Supports task creation, assignment, and project tracking with a PostgreSQL backend and REST API built using Express.js.

- **Flutter Cora**  
Tech Stack: Flutter, Dart  
Released on: [Pub](#)

An open-source Flutter package implementing the view-controller pattern to better separate UI and business logic, promoting cleaner and more testable code.

## SKILLS

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### Languages & Frameworks:

Dart, Flutter, JavaScript, Express.js, BLoC, Riverpod, GetX

### Backend & Databases:

REST API, Firebase, MongoDB, PostgreSQL, SQLite, Drift, Shelf

### Tools & DevOps:

Git, GitHub, Bitbucket, GitHub Actions, Fastlane, Docker

### Development Practices:

Agile Methodology, Material Design, Clean Architecture, Code Reviews, CI/CD Automation

## Education

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### Bachelor of Computer Applications (BCA)

*Amrita University*

*Pursuing – Expected Completion: 2027*

### Higher Secondary Education – Computer Science

*SN Trust Higher Secondary School, Cherthala*

*Completed: 2016*