

MUHAMMED FAHIZ P

Senior Software Engineer | Flutter & Cross-Platform | Full-Stack Integration | AI-Enabled Products

+91 73560 82122 | WhatsApp: +971 54 784 2122 | fhzperimbadari@gmail.com

India | UAE Experience | Open to Relocate

LinkedIn: [linkedin.com/in/muhammedfahiz](https://www.linkedin.com/in/muhammedfahiz) | Portfolio: muhammedfahiz.com

PROFESSIONAL SUMMARY

Senior Software Engineer with 5+ years of professional experience building production mobile, web, tablet, desktop, and kiosk applications across healthcare, enterprise, and retail technology.

Strong expertise in Flutter and Dart, with hands-on experience in cross-platform architecture, Clean Architecture, BLoC, Provider, Riverpod, offline-first applications, REST API integration, Firebase, Node.js, PostgreSQL, AWS, authentication, CI/CD, MQTT-based communication, and software-hardware integration.

Most recently worked in Dubai, UAE as a Senior Integration Engineer at IDOL Group of Technologies LLC, contributing to enterprise retail products spanning self-checkout/POS, centralized retail management, and food-ordering workflows, including solutions developed for Carrefour.

Previously spent several years at Novizco Infotech contributing to healthcare products for Bayshore Healthcare Services, Canada. Also have practical exposure to AI-enabled application development through basic implementation work with OpenAI APIs, LangChain, and RAG workflows.

CORE TECHNICAL SKILLS

Flutter & Cross-Platform: Flutter, Dart, Android, iOS, Web, Tablet, Desktop, Kiosk Applications, Responsive & Adaptive UI

Architecture & State Management: Clean Architecture, BLoC, Provider, Riverpod, Modular Architecture

Backend & Integration: REST APIs, Node.js, Express.js, PostgreSQL, MongoDB, Firebase, MQTT

Offline & Local Data: Hive, Drift, SQLite, SharedPreferences, Offline-First Design

Cloud & DevOps: AWS, Firebase, Google Cloud, Docker, GitHub Actions, Git, CI/CD

Authentication & Security: JWT, OAuth 2.0, RBAC, Secure Storage

Testing & Monitoring: Unit Testing, Widget Testing, Integration Testing, Firebase Crashlytics, Sentry

AI-Enabled Engineering: OpenAI APIs, LangChain, Basic RAG Workflows, LLM Application Concepts

Domains: Healthcare, Retail/POS, Self-Checkout, Enterprise Systems, Desktop/Kiosk Systems, Software-Hardware Integration

PROFESSIONAL EXPERIENCE

Senior Integration Engineer - Flutter/Dart Focus

IDOL Group of Technologies LLC | Dubai, UAE | October 2025 - February 2026

- Developed Flutter/Dart applications across self-checkout/POS, centralized retail management, and food-ordering products in an enterprise retail-technology environment, including solutions developed for Carrefour.
- Worked across desktop and kiosk environments, including Flutter applications targeting Windows/Linux-class deployments for self-checkout and POS use cases.
- Integrated application workflows with barcode scanners, security/weight scales, POS services, REST APIs, and MQTT-based communication.
- Owned significant parts of the Flutter front-end architecture and development for the i-POS Central Management web portal.
- Contributed to Food2Go across item gallery, barcode scanning, token/order flows, pricing integration, role-based controls, product availability, promotions, and offline considerations.
- Built responsive and configurable Flutter interfaces using BLoC, dependency injection, API integrations, routing, localization, RTL support, secure local storage, and reusable components; gained hands-on exposure to Toshiba, Datalogic, Newland, and CCL retail ecosystems.

Software Engineer (Flutter Developer) - Cross-Platform & Full-Stack Integration

Novizco Infotech Pvt. Ltd. | Kochi, India | November 2020 - June 2025

- Developed and maintained production Flutter applications across Android, iOS, web, and tablet for healthcare and enterprise use cases.
- Contributed to healthcare products delivered for Bayshore Healthcare Services, Canada, working across patient, clinical, and administrative workflows.
- Built maintainable applications using Clean Architecture, Provider, BLoC, reusable components, and offline-first data strategies; integrated REST APIs, Firebase services, Node.js-based services, PostgreSQL, MongoDB, and AWS infrastructure.
- Implemented authentication, authorization, push notifications, local persistence, background synchronization, and secure data handling.
- Worked on patient assessments, appointment scheduling, prescription-related processes, health tracking, virtual consultations, and branch administration.

- Collaborated with backend engineers, QA, designers, and product stakeholders through Agile/Scrum delivery cycles, including code reviews, debugging, performance improvements, release preparation, and production support.

SELECTED PROJECTS

i-POS Central Management - Enterprise Flutter Web Portal

IDOL Group of Technologies LLC

- Owned significant parts of the Flutter front-end architecture and development for a centralized platform designed to administer distributed POS and self-checkout environments.
- Developed modules covering companies, regions, stores, terminals, users/store access, items, terminal options, payment settings, promotions, policies, and operational reporting.
- Built responsive, configuration-driven workflows using Flutter/Dart, BLoC, dependency injection, REST APIs, routing, localization/RTL, secure local storage, and reusable components while the product was under active development.

Genius SCO C4 - Self-Checkout / POS Product

IDOL Group of Technologies LLC

- Contributed as a Flutter developer to a reusable self-checkout/POS product developed for Carrefour retail environments and broader enterprise deployment.
- Developed and debugged desktop/kiosk checkout workflows involving barcode scanning, item validation, transaction-state handling, security/weight-scale verification, scanner control, and fraud-prevention-related flows.
- Used MQTT-based communication and collaborated across Flutter application, service, POS, and hardware-integration layers.

Branch Operating System - Web & Tablet

Bayshore Healthcare Services, Canada | via Novizco Infotech

- Developed Flutter web and tablet workflows supporting employee onboarding, client registration, expense processing, exception handling, and clinical-data workflows.
- Integrated Aidbox/FHIR-based forms, authentication, REST APIs, AWS services, Firebase, PostgreSQL, and Node.js-based services in a compliance-sensitive healthcare environment.

MyBayshoreCare / MyPATH - Mobile & Web Healthcare Applications

Bayshore Healthcare Services, Canada | via Novizco Infotech

- Developed and maintained cross-platform healthcare applications across Android, iOS, and web, covering patient assessments, appointment scheduling, prescription-related workflows, health tracking, accessibility-focused interfaces, and healthcare communication features.
- Integrated AWS Cognito, Firebase, REST APIs, local persistence, and Zoom SDK-based virtual-care workflows.
- Contributed to MyBayshoreCare, with 5K+ Android downloads on Google Play.

INDEPENDENT PRODUCT ENGINEERING

AIRKIN - Independent Product Engineering Project | Pre-launch

2026 - Present

- Independently developed a pre-launch commerce and operations platform spanning customer ordering, administrative operations, and delivery workflows.
- Worked across application architecture, REST APIs, PostgreSQL, authentication/authorization, cloud deployment, data integrity, observability, performance, and production-oriented operational workflows.

EDUCATION

Bachelor of Computer Applications (BCA) | MES Kalladi College, Mannarkkad | University of Calicut | 2024

CERTIFICATIONS

Flutter & Dart - The Complete Guide | Udemy

Complete Generative AI Course with LangChain and Hugging Face | Udemy

React, Node.js, Express & MongoDB - The MERN Fullstack Guide | Udemy

ADDITIONAL TECHNOLOGIES

Flutter | Dart | BLoC | Provider | Riverpod | GetX | Clean Architecture | REST APIs | Firebase | Node.js | Express.js | PostgreSQL | MongoDB | AWS | Google Cloud | Docker | GitHub Actions | Hive | Drift | SQLite | SharedPreferences | MQTT | OAuth 2.0 | JWT | FHIR/Aidbox | JavaScript | TypeScript | React.js | OpenAI APIs | LangChain | RAG | Git | Jira | Figma | Crashlytics | Sentry