Case Study

Migrating Healthcare Mobile App from Xamarin To .Net 8.0

For an Australian public sector provider enhancing digital access for patients, case managers, and operational staff

PROJECT OVERVIEW

An Australia-based public healthcare and community services provider partnered with Rishabh Software to modernize its legacy Xamarin-based mobile app. This project involved the migration of healthcare mobile app

Capability	Industry	Country
Application Migration	HealthTech	Australia

KEY FEATURES

The re-engineered app enables field workers, patients, and case managers with advanced features, a consistent UX and real-time event workflows.

Cross-Platform Re-Architecture
Fully re-engineered the mobile app from Xamarin Native to .NET 8.0 for both Android and iOS.

Full-Spectrum Event Lifecycle Integration
Introduced advanced event orchestration capabilities so users can initiate, update, and manage all essential operational functions from job dispatch to incident logging directly within the mobile app.

Multi-Tiered User Access & Security
Custom-built user experiences for Workers, Patients, and Case Managers to ensure compliance with data protection regulations while enhancing usability.
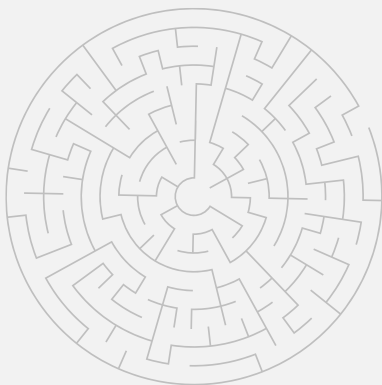
Multimedia & Contextual Reporting Tools
Supported the full project lifecycle with guest/login access, advanced pump search, intelligent configuration tools, and features to create, clone, edit, or delete projects.

CHALLENGES

- The legacy app was functionally limited to healthcare workers.
- Android and iPhone users operated outdated versions which lead to errors and reduced app trust.
- Essential tasks such as breaks, receipts, or incident logging couldn't be executed in-app.
- Without proper role-based access control, all users accessed the same interface and data layers.
- The app lacked built-in documentation tools which disrupted workflows and delayed response times.

To address these challenges, we executed a comprehensive modernization strategy, beginning with the **upgrade of healthcare mobile application from Xamarin to .NET 8.**

Strategic Migration to .NET 8.0

Orchestrated a zero-downtime transition from Xamarin Native to .NET 8.0 Android and iOS environments. This ensured compatibility with evolving OS standards and boosted runtime performance.

Modular, Event-Centric Architecture

Architected the app around a modular event engine to enable real-time, context-aware handling of jobs, incidents and checks. QR integration ensured quick patient identification & enhanced responsiveness.

Granular Access Control Framework

Developed a scalable role-management system with customizable workflows. Patients access only their transport and booking details, while case managers oversee multiple client accounts.

Device-Agnostic UX Refactor

Redesigned UI logic to maintain consistent behavior across iOS, Android, and iPadOS platforms to increase stakeholder, support higher adoption rates and minimize training time.

TECHNOLOGIES & TOOLS

Frontend	Backend Communication	Tools
.NET 8.0	aws	Visual Studio, Azure DevOps

Outcomes

3X

Increase in stakeholder engagement

55%

Reduction in administrative load

100%

Platform parity with consistent feature delivery

ABOUT RISHABH SOFTWARE

As a Digital Engineering and Enterprise Transformation leader, we empower businesses to scale, innovate, and thrive in today's digital-first world through technology rooted in trust and transparency. We leverage emerging capabilities such as Cloud, Data Engineering & Analytics, AI, Automation and Application Engineering to drive digital transformation and unlock new opportunities. We have successfully served across 25+ countries, and we work towards customer delight as "WE CARE."

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