



Meds2Trace



# Meds2Trace

Revolutionizing Medication  
Management with Xonier  
Technologies

# Project Overview

Meds2Trace is an innovative **Care Tech Solution** designed to simplify **medication management and community care**. The platform provides **accurate medication logs, stock management, and remote administration support**, ensuring patients receive the right medication at the right time while reducing errors.

Xonier Technologies partnered with Meds2Trace to **design, develop, deploy, and maintain** the platform, delivering a comprehensive digital solution that includes **a web application, a mobile application, a robust backend infrastructure, and a seamless user experience**.





# Technology Stack

- ✓ **Web Development:** Laravel (PHP Framework)
- ✓ **Mobile App Development:** React Native (Cross-platform)
- ✓ **Database Management:** MySQL
- ✓ **UI/UX Tools:** Figma, Adobe XD, and Sketch
- ✓ **Cloud Hosting & Security:** AWS & Azure with end-to-end encryption

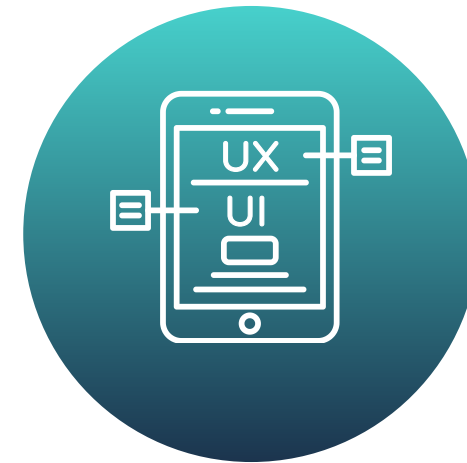


# Development Lifecycle

Project Timeline: 6 Months

## Phase 1:

Planning & Requirement Analysis (1 Month)



## Phase 2:

UI/UX Design & Prototyping (1 Month)

## Phase 3:

Web & Mobile Development (2 Months)



## Phase 4:

Testing & Quality Assurance (1 Month)

## Phase 5:

Deployment & Live Testing with End Users (1 Month)



# Key Features Implemented



## Medication Management

Electronic Medication Administration Records (**EMAR**) for daily, weekly, and monthly tracking  
Error checking using the **6 Rights of Medication Administration**  
PRN escalation log and **blister pack administration**



## Stock & Inventory Management

Real-time tracking of **medication & PPE stock**  
Weekly and monthly stock reports



## User Roles & Access Control

Multiple user roles (patients, caregivers, doctors, pharmacies)  
Up to 20 team members can access reports in the business package



## Remote & Community Care Support

Digital prescription management via **GP & Pharmacy integration**  
Mobile app notifications and alerts for medication reminders  
Remote medication administration support



## Subscription-Based Model

Starter (Free Trial), Pro (£3/month), and Business (£6/month) plans  
Secure payment integration for subscription-based access



# Challenges & Xonier Technologies' Solutions

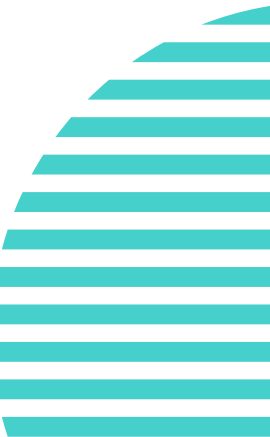
## 1. Ensuring Real-Time Medication Tracking

### Challenge:

The platform needed to track medication intake in real-time and ensure that users received timely reminders and alerts.

### Solution:

Xonier Technologies implemented **push notifications** and **real-time logging** using **React Native's notification system** and **Laravel's event broadcasting features** to ensure medication adherence.



## 2. Data Security & Compliance

### Challenge:

The platform had to comply with **data protection regulations** (GDPR, HIPAA) while storing sensitive medical records.

### Solution:

**End-to-end encryption, role-based access control (RBAC)**, and **AWS Secure Cloud Hosting** were integrated to ensure data privacy and regulatory compliance.



### 3. Multi-Platform Accessibility

#### Challenge:

The system needed to function seamlessly across **web and mobile devices** while providing a consistent user experience.

#### Solution:

A **responsive web application (Laravel)** and a **cross-platform mobile application (React Native)** were developed to ensure accessibility across devices.



## 4. User-Friendly Interface for Healthcare Professionals

### Challenge:

Healthcare professionals needed an intuitive dashboard to manage prescriptions, patient data, and medication logs efficiently.

### Solution:

Xonier's **UI/UX team** designed a user-friendly interface using **Figma & Adobe XD**, conducting user testing sessions to optimize the experience.

## 5. Remote Administration & Monitoring

### Challenge:

Caregivers needed the ability to administer medication remotely and track patient compliance.

### Solution:

**Live updates & remote monitoring** were enabled, allowing caregivers to manage medication administration through the app.



# Testing & User Feedback

**Beta Testing:** Conducted with **30+ healthcare professionals and 50+ patients**

**User Training & Support:** Live onboarding sessions and video tutorials

**Performance Optimization:** Load balancing techniques implemented to handle **high concurrent users**

**Feedback Iteration:** Improvements made based on user feedback before final deployment



# Project Impact & Results

- ✓ Reduction in medication errors by 60% through digital tracking & verification
- ✓ Faster prescription processing by integrating GP & Pharmacy communication
- ✓ Enhanced compliance due to real-time alerts & digital records
- ✓ Successful adoption in healthcare facilities and community care organizations
- ✓ Scalable architecture to support future enhancements (e.g., AI-powered analytics)





# Conclusion

Meds2Trace, powered by **Xonier Technologies**, has transformed the **medication management landscape** by leveraging **cutting-edge technology** to ensure patient safety, compliance, and operational efficiency. The successful **6-month development lifecycle, seamless deployment**, and **live testing with end-users** have positioned Meds2Trace as a **revolutionary care tech solution**.

With ongoing enhancements and **scalability plans**, Xonier Technologies remains committed to continuously innovating and optimizing Meds2Trace **for the future of digital healthcare**.



# Future Enhancements & Roadmap



1

AI-powered medication adherence analytics

2

IoT-enabled medication dispensers

3

Advanced voice assistant integration for elderly users<sup>+</sup>

4



Enhanced reporting for caregivers & family members





# About Xonier Technologies

Xonier Technologies is a leading **software development company** specializing in **web & mobile applications, AI-powered solutions, and healthcare technology**. With expertise in **Laravel, React Native, MySQL, and cloud-based solutions**, Xonier Technologies delivers cutting-edge, scalable, and secure applications tailored to business needs.

For more information, visit [Xonier Technologies](#).



# TANK YOU

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