

Healthcare Access through an Online

Doctor Consultation Mobile Application

In today's fast-paced world, accessing healthcare services efficiently is a growing concern, particularly for individuals in remote areas or with busy schedules. This case study highlights how an innovative mobile application was developed to bridge the gap between doctors in India and patients in the US, enabling seamless online consultations through a user-friendly platform. The application supports dual registration doctors in India can create an expertise profile, and patients in the US can register to book consultations based on their healthcare needs. Additionally, the platform features an integrated video call system, allowing realtime consultations, and enables patients to upload prescriptions and reports for better





diagnosis and treatment.

Company Overview

Our client is a healthcare service provider focused on enhancing the accessibility of medical consultations. They aim to provide users with a convenient, secure, and compliant solution for booking online doctor appointments. The application serves users in the US while facilitating consultations with doctors based in India.



Challenges

- Limited Healthcare Accessibility: Patients in remote areas lacked access to specialized medical professionals.
- Security Concerns: Ensuring the protection of user data and compliance with

inefficient and time-consuming.

needed for online consultations.

healthcare regulations.

Complex Appointment Scheduling: Traditional booking methods were

- Payment Processing Issues: Secure and reliable payment methods were
- **User Experience:** The platform required an intuitive interface for both patients and doctors.
- Seamless Video Consultation: Integrating a stable and secure video call system for doctor-patient interactions.
- Prescription and Report Management: Allowing patients to upload and share medical documents for better consultations.

We developed a robust mobile application with the following features:

Solutions Offered

Dual Registration System: Doctors from India can create expertise

- profiles, and patients from the US can register and book consultations. Doctor Search & Selection: Advanced filtering options based on
- specialty, location, and availability. Appointment Booking & Management: Easy scheduling with notifications and reminders.
- Secure Video Consultation: Integrated video call system for real-time doctor-patient interactions.
- for reference during consultations. Payment Integration: Secure and compliant transaction processing.

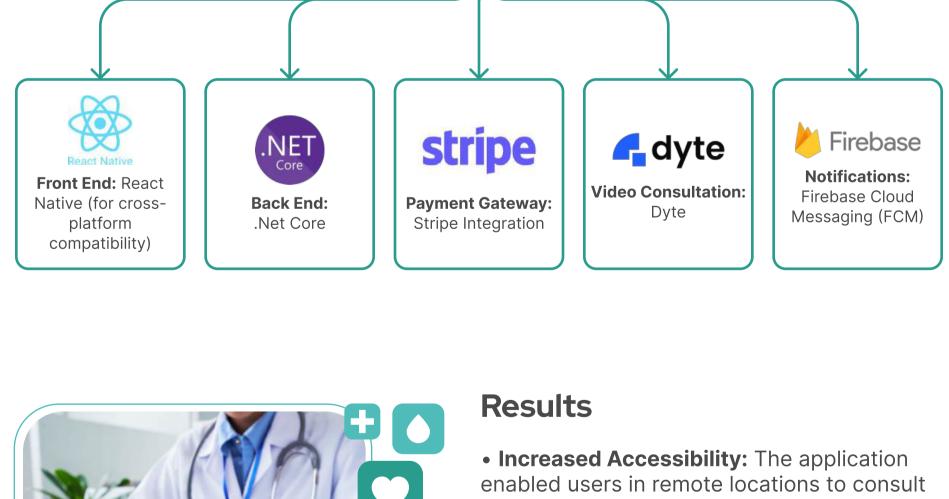
Prescription & Report Upload: Patients can upload medical documents

User-Friendly Interface: Intuitive navigation for seamless interaction.

Security & Compliance: Implementation of industry-standard data

Technical Stack

protection measures.





• Faster Appointment Scheduling: The booking process was streamlined, reducing

with specialists.

- waiting times. • Seamless Doctor-Patient Interaction: Integrated video consultations improved
- communication and diagnosis. • Efficient Document Management: Patients could upload and share prescriptions and reports for better treatment.

an industry leader in digital healthcare solutions.

Technology Implementation

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Summary

The implementation of the online consultation mobile application successfully addressed key healthcare accessibility issues, enhancing the patient experience while ensuring data security and compliance. The project not only improved user engagement but also positioned our client as

- Cross-Platform Support: React Native enabled simultaneous deployment on
- Android and iOS. • Automated Notifications: Firebase Cloud Messaging provided real-time
- Secure Transactions: Stripe integration facilitated encrypted payment processing.
- Video Consultation: Dyte integration enabled high-quality and secure online consultations.
- Document Upload System: Patients could securely upload prescriptions and reports.

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