

TECHNICAL CASE STUDY · HEALTHCARE PLATFORM

Samvaad Care

A full mental-health & therapy platform across three layers — mobile, web, and backend — engineered to production standards by Nuvayu Tech.

React Native / Expo SDK 55

React 19.2

Node.js API

Zustand + NativeWind

EAS Build & Store Submission

ARCHITECTURE OVERVIEW

A single platform spanning all three layers, with role-separated experiences for patients, doctors, and admins sharing one backend:

Mobile App (iOS + Android)

React Native · Expo SDK 55 · React 19.2 · Zustand · NativeWind. 30 screens across patient (22) and doctor (8) experiences.

Web App

Browser-based access for patients and doctors, plus a dedicated Admin console — sharing the same domain services and auth model.

Backend API

Node.js server exposing 14 domain API services consumed across web and mobile.

Role Separation

Patient · Doctor · Admin roles, enforced with AuthGuard and role-based routing.

ENGINEERING BY THE NUMBERS

30

Screens (22 patient + 8 doctor)

108

Components in atomic design

14

Domain API services

18

Custom React hooks

12

Zustand state stores

PRODUCTION HARDENING

- **Payments:** Live Razorpay integration — the app actually transacts, not a sandbox stub.
- **Reliability:** Maintenance mode, server health checks, offline detection, and error boundaries.
- **Security:** Bearer-token auth, expo-secure-store encrypted storage, role-based routing.
- **Retention:** Push notifications, scheduled daily reminders, and mood-streak tracking built into the core loop.
- **Delivery:** EAS Build pipelines, dev/prod environment management, and full App Store + Play Store submission.
- **Compliance:** ISO certification achieved with healthcare-grade data handling throughout.

FEATURE DEPTH

Patient — 22 screens

Therapist booking (online + in-person), Razorpay payments, mood tracking with trend analytics, content library, clinical assessments, crisis/SOS flow, push notifications.

Doctor — 8 screens

Appointment management, availability scheduling, practice dashboard, and profile management.

This is what disciplined engineering looks like

108 atomic components, 14 services, full CI/CD to two app stores, ISO-certified — built by a senior team that ships v1 to production, not just an MVP.

Build with us: contact@nuvayutech.com | nuvayutech.com