

RAJAT SATASHIYA

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EDUCATION

Vellore Institute of Technology, Vellore

Bachelor of Technology, Computer Science And Engineering

2019-2023

GPA: 8.68

SKILLS

Technical Skills: Javascript, Typescript, ReactJS, NextJS, React Native, HTML, CSS, NextJS, Java, Redux

Tools: Git, Firebase, Sentry, One Insider, Adjust, Flagsmith, Google Analytics, Android Studio, Xcode, Postman

EXPERIENCE

Aster DM Healthcare, Bangalore | Dec, 2022 - Present

Associate Software Engineer

- Implemented a biometric login system to streamline the login process for returning users, eliminating the need for mobile number and OTP authentication on every login.
- Developed around 25+ deeplinks/universal links for different screens throughout the app.
- Worked on Arabic localisation and RTL layout for the launch of the app in Saudi Arabia.
- Implemented the new in-house authentication system for the app shifting from third-party keycloak login system.
- Worked on Adjust, OneInsider integrations for notifications/marketing campaigns, Sentry for app's performance monitoring, google analytics for app usage analysis.

PROJECTS

Biometric Authentication System

React Native | Java | Native Modules | RSA Keys

Integrated biometric authentication system into the app, enabling users to log in seamlessly using fingerprint or Face ID, eliminating the need for mobile number and OTP-based authentication. We used RSA 2048 public/private key pair with SHA 256 signature as the security layer for the login. The feature was developed in react native, along with the usage of native modules to overcome third party libraries' android bug.

Digital Care

React Native | Arabic Localisation | Adjust

The digital care segment is the appointment section of the myAster app which allows patients to book an appointment with their preferred doctor, select from available time slots, complete the payment and track appointment details in the app. Additionally, we have integrated multiple deep links that are sent to users via notifications and SMS for marketing campaigns and post-appointment bookings. The whole segment is also localised into Arabic for the app's launch in Saudi Arabia (KSA).

Pods - A Web Platform for Writers

NextJS | Genkit AI | TypeScript | Firebase

A writer-focused web platform built using NextJS, powered by Firebase backend services such as Firebase Functions, Firebase Storage, and Firebase Remote Config. Deployed on Google Cloud via Firebase Hosting. The text editor is developed using Facebook's DraftJS library. AI features such as text summarisation, spell checks, phrase suggestions, and AI-generated write-ups are integrated using Google's Genkit AI. Additionally, Google Cloud's Text-to-Speech API is incorporated to enhance accessibility.