

# AASHUTOSH KAYASTHA

React Native Developer | Frontend Engineer (React / Next)

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## PROFESSIONAL SUMMARY

React Native & TypeScript Engineer with **3+ years of experience** building and maintaining production-grade mobile and web applications. Strong expertise in **React Native, React, TypeScript, feature-based architecture, reusable component systems, state management, REST APIs, real-time communication, WebRTC, VoIP, Firebase, and native platform integrations**.

Experienced in delivering scalable products across **healthcare, education, social networking, e-commerce, loyalty, content, and study-abroad** domains. Skilled in performance optimization, type-safe API architecture, authentication, push notifications, native integrations, and maintainable frontend engineering practices.

## TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript (ES6+)
- **Frontend & Mobile:** React, React Native, React Router
- **State Management:** Redux, Redux Toolkit, TanStack React Query, Redux Persist, Reselect, Immer
- **API & Networking:** REST APIs, Axios, Socket.io, WebRTC
- **Authentication & Native Features:** Firebase Authentication, FCM, Notifee, CallKeep, Biometrics, Maps

**Version Control:** Git, GitHub

## PROFESSIONAL EXPERIENCE

### React Native Developer

Inflancer Technology | Feb 2023 – Present

- Architect and develop production-grade **React Native applications** using feature-based architecture, reusable component libraries, and TypeScript.
- Lead development across **healthcare, education, social networking, loyalty, e-commerce, and study-abroad** products.
- Design centralized, type-safe **REST API architecture** using Axios with authentication interceptors, standardized error handling, and reusable networking utilities.
- Implement real-time communication and calling features using **WebRTC, Socket.io, React Native CallKeep, and VoIP Push Notifications**.
- Integrate **Firebase Authentication, Firebase Cloud Messaging, Notifee, biometric authentication, maps**, and other native platform capabilities.
- Optimize application performance using **FlashList, Reanimated, memoization, selector optimization, and efficient state management**.
- Build reusable UI components and shared abstractions to improve consistency, maintainability, and development efficiency across products.
- Collaborate with UI/UX designers, backend engineers, QA teams, and product managers to deliver scalable, production-ready features.

## FEATURED PROJECTS

### SelfApply — Study Abroad Platform | Mobile & Web

Developed a comprehensive US study-abroad platform using React Native and React with a scalable feature-based architecture.

- Implemented **WebRTC voice/video calling** and Socket.io-powered real-time messaging.
- Developed responsive admin dashboards, document management workflows, and role-based user experiences.
- Built reusable UI and networking patterns for maintainable mobile and web applications.

**Tech:** React Native · React · TypeScript · Redux · Socket.io · WebRTC · Styled Components · React Native CallKeep

### Supachar — Telemedicine Platform | Mobile & Web

Developed a cross-platform telemedicine platform enabling healthcare consultations, appointment scheduling, and patient-doctor interactions.

- Implemented **WebRTC video consultations**, audio recording, e-signatures, biometric authentication, and maps integration.
- Built consistent mobile and web experiences using React Native and React.
- Integrated Firebase services for authentication and application functionality.

**Tech:** React Native · React · TypeScript · Redux · Emotion · WebRTC · Firebase

### SBD Loyalty — Loyalty & VoIP Platform

Developed a loyalty and rewards application with integrated real-time communication capabilities.

- Implemented **VoIP calling** using React Native CallKeep and VoIP Push Notifications.
- Built business dashboards with interactive charts and analytics.
- Integrated maps and Nepali localization to improve usability.

**Tech:** React Native · WebRTC · React Native CallKeep · VoIP Push · gifted-charts · i18next

### Allin — Social Networking Platform

Developed a scalable social networking application focused on high-performance feeds and modern mobile interactions.

- Built optimized feeds using **FlashList, Redux Toolkit, and Reanimated**.
- Integrated maps, biometric authentication, rich-text editing, and collapsible tab navigation.
- Improved rendering efficiency through memoization and optimized state management.

**Tech:** React Native · Redux Toolkit · Reanimated · FlashList · Firebase

### GistFeed — Content & News Platform

Developed a feature-rich content and news platform focused on media consumption and performance.

- Implemented video playback with streaming and playback controls.
- Built image editing, watermarking, and native content-sharing capabilities.

- Integrated Firebase Cloud Messaging for push notifications and i18next for multilingual support.
- Developed reusable UI components using a scalable feature-based architecture.
- Optimized media rendering for improved application performance.

**Tech:** React Native · TypeScript · Redux · Firebase Cloud Messaging · React Native Video · i18next

## GoEasyBazar — E-commerce Platform

Developed a scalable marketplace application with secure authentication and efficient server-state management.

- Implemented Firebase Authentication and phone-number authentication workflows.
- Built data fetching and caching using **TanStack React Query**.
- Integrated Redux Persist for reliable client-state persistence.

**Tech:** React Native · TanStack React Query · Firebase Authentication · Redux Persist

## Admin Dashboards — React & TypeScript

Developed responsive admin dashboards for **Surugara, Lagani Store, and ShareBook**.

- Built reusable dashboard components, advanced data tables, dynamic forms, OTP authentication, and rich-text editing.
- Integrated REST APIs and Firebase services using modular architecture.
- Developed scalable interfaces using Emotion, React Router, and custom Webpack 5 configuration.

**Tech:** React · TypeScript · React Router · Emotion · Redux · Firebase · Webpack 5

## ADDITIONAL PROJECT EXPERIENCE

### Inflancer — Social Media Platform

Built social networking features including swipe navigation, dynamic forms, calendars, interactive carousels, and real-time interactions using Redux Toolkit, TanStack React Query, Reanimated, and i18next.

### Mero Degree — Education Platform

Developed mobile and web learning experiences with Socket.io real-time communication, cached video streaming, document management, secure content delivery, and Workbox-powered PWA support.

### Sodhpuch — Community Q&A Platform

Built reusable feature modules and scalable UI components with Redux, Reselect, Formik, and Reanimated, focusing on efficient state management and smooth user interactions.

## EDUCATION

### Bachelor of Information Management (BIM)

**Nepal Commerce Campus, Tribhuvan University**

2018 – 2023

## LANGUAGES

**English:** Professional

**Nepali:** Native

**Newari:** Native