

Md Fiaz Rahman

Software Engineer(React-Native)

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Experienced and detail-oriented React Native Developer with a proven track record of designing, implementing, and maintaining high-performance mobile applications. Adept at collaborating with cross-functional teams to analyze user requirements and deliver innovative solutions that enhance the overall user experience. Proficient in leveraging React Native frameworks and libraries to build scalable and responsive mobile applications for iOS and Android platforms.

Work Experience

[Software Engineer \(React Native\) - Care-Box Ltd.](#) (03/2022-Current)

• Professional Projects:

[Pub \(Asset Verification System, RFID Based\)](#) (03/2022 - 06/2022)

- An Inventory Management System where the app is connected to an **RFID** scanner device via Bluetooth (A **Government Project in Singapore**).
- Implemented **Bluetooth** data transfer from RFID devices to mobile applications.
- Implemented **RESTFul API** service to submit the data from the mobile App end to the
- Wrote Custom Module in **Objective C** and called them from the Javascript end using **React-Native Bridging** (This was an iOS based project)

[CareDrop \(A Newsletter App\)](#) [🔗 Google Play Store](#) [🔗 Apple App store](#) (08/2023 - Current)

- This is a newsletter-based application where users can upload Medicare and health-based journals and share it with others.
- In this application, I managed the entire state of the application using **Redux-Toolkit**.
- Implemented **RESTFul API** service for transporting data from frontend to backend and vice-versa. **Redux-Persist**.
- **Deep-Linking** with **Firebase** was implemented by me.
- Currently, integrating Live Notifications and Real-time messaging using **WebSockets**, and **Firebase-Push-Notifications**.

Also,

[CareBox \(E-Commerce, Telemedicine and More ...\)](#) [🔗 Google Play Store](#) [🔗 Apple App store](#)
(07/2022 - 03/2023)

- This is a one-stop solution for authentic quality-controlled products, Telemedicine, Ambulance Services, and much more! This app is **actively maintained** by me.
- Integrated the **Auto-Check for Update** from Play Store and Apple App Store.
- Implemented **WebSocket** to present the Live Status of a doctor.
- Managed global state (the store) with **Redux-Toolkit & Redux-Persist**.
- Implemented the **Push-Notification** for both Android and iOS.
- Implemented the **Video-Calling** with **Agora SDK**.
- Added smooth Animations **react-native-reanimated** several places.
- **Google Maps SDK** has been implemented for real-time location.

• Freelancing Projects (2021-2022)

[Rent-It \(A Book-Renting App\)](#) [🔗](#)

- This is a book-renting app where users can get books for rent from others. The user must have to have an account.
- For authentication purposes, **Firebase-Authentication** has been used. Firebase serves at its best and its **serverless** feature and **NoSQL** database have made the implementation of **CRUD** operation very easy.
- User can share their live location through the **Google Maps API**, so the other user who is thinking about renting a book can know the nearest locations where the book is available for rent.

Quizio (An Educational App)

- This is an app purely built for educational purposes. Where students can choose any different course and take a test for a set of predefined questions.
 - These questions are uploaded and maintained by different instructors specialized in that course. The Admin Panel is built with **React JS** and **CSS3**. It was built serverless by the integration of **Firebase** and authentication was done through **Firebase-Authentication**.
 - The Admin Dashboard which is built separately with React shares the same Firebase and Firestore database as the Android app.
 - The admin dashboard demonstrates the statistics of students in a colorful manner with the help of **Chart Js**.
 - For the Admin panel simple **CRUD** functionalities have been implemented and this project was conducted on **Upwork**.
 - Did the state management throughout the application with **Context-API** of React.
 - **Redux** and **Redux-Thunk** was used for state management and managing asynchronous tasks.
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- **Technical Skills**
 - Programming Languages: Javascript, Java, C++, Python, Typescript
 - Tech Stacks: React-Native, React Js, Native Android, Node Js(Learning)
 - First-hand Experience with Technologies: Jira, Firebase-Push-Notification, RESTFul APIs, Redux, Redux-Toolkit, AsyncStorage, Firestore(NO-SQL), WebRTC, React-Native-Bridging, Google Maps SDK, Git, Firebase Deep Linking

Education

Khulna University of Engineering & Technology - Khulna, Bangladesh

- **Bachelor of Science in Computer Science and Engineering**
Jan 2018 - February 2022 - 3.26 (CGPA)