

SAURAV RAI

Mobile Application Developer



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SUMMARY

Mobile app developer with 4+ years of hands-on experience in retail, finance, inventory/data management app domain. Specialising in **React Native** and **Flutter**, I have a knack for crafting pixel-perfect apps that seamlessly blend aesthetics with functionality and I thrive on transforming innovative ideas into captivating digital experiences.

ACHIEVEMENTS

EY Artificial Intelligence Bronze Badge - [\[Link\]](#)

May 2023

- Understanding the potential of artificial intelligence (AI) to reshape industries and drive transformative change.
- Applied the AI tool layer across diverse client domains, enabling automated data analysis, content classification with GPT-4 API.

Rudolph Reindeer - EY Townhall [\[Link\]](#)

December 2023

- Got this award for fostering team spirit and collaborative effort.
- Contributing to successful project outcomes aligned with our mission of building a better working world.

SKILLS

Programming Languages

JavaScript, TypeScript, Dart

Mobile development

React Native, Flutter, Android

Databases

MySQL, SQLite, SQFlite, Firebase, Redis

Libraries

Axios, Dio, React-Redux, Retrofit, Bloc, Jest, Apollo, WebView

Tools and Software

VS Code, Android Studio, Xcode, Git, Flipper, Bitrise, Jira, Yarn, Gitlab, Webhooks, Jenkins, Postman, Figma, Mixpanel

WORK EXPERIENCE

Consultant

Ernst And Young, Gurgaon (2022 June – Present)

Client: Makro | Project: Makro PRO

- Highly involved in Designing, Developing & Deploying application built using **React Native**.
- Optimized app performance by implementing lazy loading of components, resulting in a decrease in app startup time by ~70%.
- Employed React Navigation for efficient and seamless navigation between app screens, enhancing user experience and reducing bounce rates.
- Integrated deep linking functionality to enhance user engagement and facilitate seamless navigation within the app, contributing to a 50% increase in user retention
- Integrated Jest for writing unit tests and end-to-end tests, achieving a 40% increase in test coverage and overall app reliability.
- Leveraged CI/CD tools like Fastlane, Jenkins to automate build, test, and deployment workflows that speeds up the release process by 4x.
- Utilized A/B testing frameworks like Firebase Remote Config to optimize app UI/UX elements and increase conversion rates that leads to increase in app downloads over 1 Million on play store.
- Employed CodePush for over-the-air updates, allowing for quick bug fixes and feature rollouts without requiring users to download a new version from the app store.
- Integrated analytics tools - Mixpanel to track user interactions including search queries and product views, achieving a 50% increase in personalized recommendations accuracy.

Client: UBI Bank | Project: Union Parivar

- Developed a HRMS app using **Flutter** on existing enterprise systems such as ERP (Enterprise Resource Planning) facilitating data exchange and interoperability across bank departments.
- Consolidated various Bank functions such as attendance tracking, leave management, performance reviews, payslip and pension documents download.
- Enhanced app security with code obfuscation, root detection, MagiskHide, SafetyNet API integration and implement certificate pinning to enhance transport layer security.
- Conducted regular security audits and vulnerability assessments.

EDUCATION

2016 - 2020

Government Engineering College, Bikaner (Raj)

Bachelor of Technology, ECE - 73%

2015- 2016

Shri Maheshwari Sen, Sec School

Higher Secondary, PCM - 78.80%

CERTIFICATES

- [Google Analytics 4 \(GA4\) Essential Training.](#)
- [React Native - The Practical Guide \[2024\]](#)
- [The Complete Flutter Development Bootcamp with Dart](#)
- [EY Analytics - Data Visualization](#)
- [Oracle Cloud Infrastructure 2022 Certified Foundations Associate](#)

Mobile Application Developer

Webknot Technologies Pvt. Ltd, Bangalore (2021 April - 2022 June)

Client: Palette Edu, Inc. | Project: PaletteEDU

- Worked on both mobile-app and web based projects using **Flutter**.
- Projects included UI/UX development via Flutter/dart, CRUD operations in firebase, storage and manipulation of data in firebase storage, data visualization in maps, graphs, charts.
- Worked in a team with prioritizing of tasks on the basis of scope of the impact of the features.
- Implemented real-time updates and notifications to keep guardians informed about important events, academic milestones, and announcements related to their children's education.
- Integrated messaging and communication features within the app to facilitate direct communication between guardians, students, and teachers

Client: Relentless Innovations Private | Project: Animal Sales

- Built a app for buying and selling farm animals in a virtual Mandi (market) revolutionize the agricultural sector.
- Implemented authentication mechanisms for users to register as farmers, buyer or both.
- Utilize GPS and geolocation services to display nearby Mandis and farm animal listings based on the user's location.
- Provided in-app chat functionalities with multimedia support (photos, videos) to facilitate effective communication and decision-making.
- Integrated secured razor pay payment gateway to facilitate seamless transactions between buyers and sellers.

OTHER PROJECTS

CryptD – Security App

- Based on cryptography algorithms AES, Salsa20 and Fernet.
- Users can encrypt and decrypt their messages with one click.
- Converts any image, video, zip or pdf files in to encrypted format and can decrypt those allowing users to have higher privacy and security.
- Tech Stack : Flutter/dart, encrypt.