

Omkar Lonkar

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EDUCATION

SHIVAJI UNIVERSITY

B.TECH IN COMPUTER SCIENCE

2019, RIT Sangali, IN

PUNE UNIVERSITY

HIGHER SECONDARY CERTIFICATE

2015, B.H. Chate Jr. College Pune, IN

SKILLS

PROGRAMMING

Experienced:

- Javascript • Typescript Exposure:
- MongoDB • Node.js • AWS • Flutter

TOOLS/APPLICATIONS

- VS Code • Xcode • Android Studio

LINKS

Github:// [omlonkar9714](https://github.com/omlonkar9714)

LinkedIn:// [omkar-lonkar-737686115](https://www.linkedin.com/in/omkar-lonkar-737686115)

TECHNICAL SKILLS

- React Native with React navigation. Experience in building mobile applications from scratch to end. Clean coding.
- Responsive and pixel-perfect UI design development.
- Redux-persist, Redux-Thunk, Redux Saga, React Query, Zustand.
- Optimizing performance, Deep Linking, Security of data, Third party library integration, SDK integration.
- Github actions , Fastlane ,Gitlab runner,AWS-code commit,code-pipeline,etc.
- Unit testing and end-end testing (Detox).
- Architecture design of React Native project.Android and iOS application development and release process to Play Store and App Store.
- Firebase Modules - AdMob, Analytics, Authentication, Cloud Firestore, Cloud Messaging, Cloud Storage, Crashlytics.
- Google maps integration custom map components,Google places API module integration, reverse geocoding.
- Integration of the REST / GraphQL API with Front-End and handling data as required. Custom components creation ability as per design and functionality.
- Payment gateways - Paytm, Razorpay, Stripe.
- Socket.io chat application, social auth sign-in(Google, Facebook, Apple, Microsoft), lazy loading of data, modularized structure of application, Salesforce SDK . Node.js as interest in MERN stack developer.
- Git, JIRA, Trello

EXPERIENCE - 6+ YEARS

PRITHVI TECHNOLOGIES | SENIOR SOFTWARE ENGINEER

- Worked as a key contributor in building a scalable Grower mobile application using React Native, delivering features like product listing, weather insights, disease treatments, farm mapping with polygons, and Salesforce-integrated ordering. Actively involved in performance optimization, UI upgrades, and multilingual support while ensuring timely delivery.

NANOSTUFFS TECHNOLOGIES | SENIOR SOFTWARE ENGINEER

- Leading a team of four developers, responsible for critical bug fixes, performance optimizations, and implementing new features. Focused on improving code quality, enhancing system efficiency, and delivering high-impact solutions.

SOFTELL SYSTEMS | SENIOR SOFTWARE ENGINEER

- As a Senior Software Developer,I worked on a client's IIOT project, developed internal applications from scratch, and gained exposure to AWS services. I also learned Node.js and MongoDB.

STEFANINI BRASIL | SOFTWARE DEVELOPER II

- As a team member with a client team of 8 developers,I developed agro solution apps for Syngenta in the US, integrating APIs and Salesforce SDK into the applications.

XCALIBER INFOTECH PVT. LTD. | SOFTWARE ENGINEER

- As a team member of the mobile team,I handled front-end projects using React Native, focusing on IIOT and fitness apps.

MUDRAKWIK FINTECH PVT.LTD. | SOFTWARE ENGINEER

- As the main developer at a fintech start-up,I handled three projects simultaneously, developing them from scratch and leading a team of three.

THINKITIVE TECHNOLOGIES PVT.LTD. | TRAINEE ENGINEER

- Started learning React Native and supported on going development.

PROJECT EXPERIENCE

1. FITNESS APP - REACT NATIVE

In our fitness app, trainers post their services by location, allowing clients to pay for sessions and communicate directly with trainers for personalized fitness guidance.

2. IIOT MONITORING APPS - REACT NATIVE

1. VENTILATOR

In the IIOT monitoring application, real-time ventilator data is sent to the cloud and updated in the app, while machine-generated alerts are prioritized and displayed on mobile devices for immediate attention.

2. AO SMITH

Enabling users to monitor and control multiple water heaters, receive reminder alerts, and track energy usage in both EN and FR. The app supports QR scanning for Wi-Fi or Bluetooth connection and initial setup.

3. WALK-KER APP - REACT NATIVE

A walking steps monitoring app for company employees, integrating Google Fit and iOS Health APIs to track real-time steps and motivate users with monthly prizes for achieving walking targets.

4. MUSIC INSTRUMENT TUNING APP - REACT NATIVE

A music instrument tuning app where users select their instrument and chords; the app listens to the played notes and assesses their tuning accuracy, displaying the results on a tuning meter.

5. MUDRA KWIK APP - REACT NATIVE

A loan application that offers instant loans even with a low credit score by verifying ID documents. Users can manage EMI payments with in-app reminders and track the status of their applied and ongoing loans.

6. WEATHER APP - EXPO

A weather app that allows users to check weather conditions for upcoming meetings and travel destinations, plan accordingly, and pin favorite places on a personalized dashboard. The app was built using Expo, used weather APIs.

7. FINCOM APP - REACT NATIVE

Fincom app, an online shopping platform, handling everything from product browsing and payment processing to delivery status, reviews, and ratings, overseeing the project from start to finish.

8. ASHOK LEYLAND APP - EXPO

A trip tracking app for Ashok Leyland, integrating IIOT devices to monitor trips, evaluate driving scores, and provide performance-based perks. It offers real-time data, trip punctuality tracking, and driver profile access.

9. AGROSMART APP - REACT NATIVE

An app for Syngenta's U.S. sales reps to track farmers' needs and upload details to the cloud. Integrated with Salesforce SDK for offline access, it enables data filtering, verifies large sales with receipts, checks product authenticity, and supports uploading images and videos of farming equipment and chemicals.

10. JABBIE-FIT APP - REACT NATIVE

A social media application for fitness enthusiasts from scratch, incorporating features such as photo and video uploads, chat, posts, comments, likes, groups, group chats, profile details, device location, and notifications.

11. EDU-TECH APP - REACT NATIVE

An application where students can take tests with multiple-choice and media-based questions (images and videos), receive tutoring, track their profile scores, and attempt exams across various subjects.

12. SPORTS-MATCH APP - REACT NATIVE

A sports app with Tinder-like animations for connecting users by interests. Features include user search with filters (distance, gender, sports, city, availability), chat, notifications, profile updates, and location tracking.

13. SMARTBAGH APP - REACT NATIVE

A bee farming app for tracking boxes and plants via QR codes, managing harvests, revenue, health monitoring, and data upload to S3. Uses AWS Cognito for authentication and AWS services for data and security.

14. FFB HARVEST MANAGEMENT SYSTEM - REACT NATIVE

Worked on a complex field operations app built in React Native, designed for end-to-end tracking of Fresh Fruit Bunches (FFB) from nursery to factory. The app supports multiple user roles—Farmer, Operator, Nursery Admin, Team Lead, Field Officer—each with customized workflows and access.

Key Contributions:

Fixed critical bugs and implemented performance optimizations across modules for improved reliability on low-end and POS devices.

Enhanced geolocation and geofencing workflows, including polygon mapping and custom map layers for field visibility and zone enforcement.

Maintained and optimized QR code scanning features for tasks such as tray identification, attendance tracking, and quality checks.

Integrated Bluetooth (BLE) connectivity to POS devices for real-time communication with digital weighing machines.

Developed features for receipt printing via connected POS hardware, including weight, timestamp, and batch details.

Improved Redux-Saga-based asynchronous flows, ensuring smoother task execution and offline resilience.

This role focused on stabilizing and extending a production-grade mobile platform used in agricultural operations, enhancing field efficiency, traceability, and real-time task execution.

15. GROWER MOBILE APPLICATION (REACT NATIVE | REDUX | REDUX-SAGA | MAPS) - REACT NATIVE

Developed and maintained a feature-rich mobile application for growers enabling them to browse agricultural products, access disease-related information and treatments for US UK regions, and view real-time weather updates (hourly and weekly). Implemented interactive farm mapping with crop-wise land plotting using map polygons. Integrated ordering and payment data with Salesforce backend APIs. Enhanced app performance through optimizations and implemented continuous UI upgrades. Added multilingual support and customer support via Zendesk integration. Played a key role in feature delivery, bug fixing, and improving overall app stability.

16. RESTAURANT ORDER INVENTORY MANAGEMENT MOBILE APP AND REACT NATIVE WEB - REACT NATIVE

Developed a robust and scalable restaurant and café order management system tailored for small to mid-scale businesses in India. The app replaces traditional paper-based processes by digitizing order management, real-time inventory tracking, and financial reporting. Built with a focus on offline-first operation, cross-platform support, and hardware integration.

- Key Features: Multi-role Functionality:
- Reception Panel: Create, update, and manage table orders with item name, quantity, and timestamp.
- Owner Dashboard: Track monthly revenue, view daily sales, manage opening balances, and review business performance.
- Order KOT (Kitchen Order Ticket) System:
 - Supports batch-wise additions to existing table orders.
 - Automatically generates KOTs for only newly added, unprinted items.
 - Tracks real-time status of all items per table, reducing kitchen confusion.
- Inventory Integration:
 - Menu items are mapped to inventory stock.
 - Automatically reduces inventory quantity on order placement.
 - Displays alert when stock for an item hits zero.
- PDF Report Generation:
 - Generates on-device PDF reports for selected date ranges summarizing total orders, revenue, and item-wise performance.
 - Enables sharing or downloading of reports without needing a backend server.
- Thermal Printer Support (Electron PoC):
 - Integrated with thermal printers to generate and print different types of receipts:
 - KOT slips for the kitchen
 - Customer bills
 - Summary receipts for management
 - Developed using Electron for desktop-based extensions.
- Offline-First Architecture:

- Ensures smooth functionality using Redux-Persist and AsyncStorage, even without an internet connection.
- Cross-Platform Compatibility:
- Built using React Native CLI and extended to React Native Web for use in browsers.
- Desktop-ready with Electron integration for businesses using desktop POS setups.
- Key Challenges Solved:
 - Designed custom logic for partial KOT printing, handling multiple item batches.
 - Achieved hardware-level printing integration with thermal printers via Electron for real-world deployment.
 - Ensured seamless offline syncing and data persistence using local storage strategies.
- Impact:
 - Reduced manual paperwork and billing time by over 80%
 - Enabled full operational transparency for owners through digitized records and real-time reporting.
 - Prepared the product for scalable enhancements like multi-location support, cloud sync, and analytics dashboards.