

Vishal Kolekar

Software Engineer

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Professional Summary

Full-stack developer with 3+ years of experience building scalable and real-time web and mobile applications using React, Node.js, MongoDB, and React Native. Skilled in building secure, performant systems with clean architecture and user-friendly interfaces.

Experience

Starlly Solutions Pvt Ltd, Bengaluru

2022 – Present

- Built a checklist system similar to Google Forms for easy form creation and data reporting. This helped teams collect information faster and more accurately.
- Developed a technician tracking feature that shows real-time location and status updates, helping managers monitor field operations better.
- Created a dashboard system where users can add multiple pages with resizable widgets, filters, and custom navigation. Used MongoDB aggregation and real-time gateway for dynamic data.
- Added Role-Based Access Control (RBAC) and Attribute-Based Access Control (ABAC) to handle user permissions based on roles and data. Made the system more secure and flexible.
- Developed a modular IoT backend system consisting of a data collector that fetches data from configured sources at scheduled intervals, and an analyzer that processes incoming data to evaluate statuses and generate alerts based on custom logic.
- Implemented a multi-channel alert system that sends messages through SMS, email, and WhatsApp. Users can choose how they want to receive alerts.
- Worked on audit logs to track important user actions and system events, which helps in debugging and accountability.
- Updated the mobile app UI using React Native, improving user experience with better layouts and smoother navigation.
- Used Firebase for real-time synchronization of lightweight data and push notifications.
- Replaced Redux with React Query for better API handling and caching, which made the app faster and more responsive.
- Fixed bugs and implemented small improvements to enhance performance and usability.

Education

Bachelor of Computer Applications, Solapur University

2019 – 2022

HSC, English School Jr College, Mangalwedha

2017 – 2019

Tech Stack

Frontend: React, React Native, HTML, CSS, Tailwind, Bootstrap

Backend: Node.js, Express.js

Databases: MongoDB, MySQL

Others: Firebase, Git, GitHub, React Query, REST APIs, WebSockets

Achievements

- Won internal hackathon at Starlly by building a rapid IoT onboarding app, reducing setup time by 80%.
- Published a React Native background location package on NPM with 1K+ downloads.

Projects

React Native Background Location (NPM Package)

<https://www.npmjs.com/package/react-native-geo-locator>

Built and published a React Native module that fetches background location updates on Android using foreground service. Supports permission management, custom timeouts, and periodic updates. Available as an open-source package on NPM.

Whiteboard App (In Progress)

[GitHub Repo](#)

A real-time collaborative whiteboard tool with integrated video/audio calls, AI-powered drawing suggestions, and live session sharing. Built using WebRTC, Canvas API, and WebSockets. Aiming to assist remote teams and tutors with an intelligent, shared workspace experience.

Courses

- React - The Complete Guide (Udemy) — Covered Hooks, Routing, State Management, and Performance Optimization.
- React Native - The Practical Guide — Built fully functional cross-platform mobile apps with device features.
- The Web Developer Bootcamp — Covered JS, Node.js, Express, MongoDB with projects.