BALIRAM SHEJAL

Software Developer | Pune, Maharashtra

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PROFILE

Experienced and dedicated Mobile App Developer with over 2.4 years in the IT industry. Dynamic and personable professional with a strong focus on the entire application lifecycle. Proficient in cross-platform mobile development using React Native, with specialized expertise in Firebase integration and services. Adept at deploying applications to both the App Store and Google Play Store. Strong experience with TypeScript, Redux Toolkit, and JavaScript frameworks like React and Node.js.

COURSEWORK / SKILLS

- Mobile App Development: React Native, Android Studio, Android SDK, Kotlin, Jetpack Compose, Xcode, Testflight
- Web App Development: React JS, MUI, HTML, CSS
- Frontend Development: React Native, React JS, JavaScript, TypeScript
- Firebase:
- Authentication, Storage, Push Notifications
- Version Control: Git, GitHub
- State Management: Redux, Redux Toolkit
- MERN Stack Development
- API Development: REST API, SQL
- Payment Gateway: Razorpay Integration
- Programming Languages: JavaScript, Core Java, TypeScript, Kotlin
- Tools: VS Code, Android Studio, XCode
- Artificial Intelligence
- OOPS Concept
- Storage Solutions: SQLite Storage, MMKV Storage, AsyncStorage
- Notification Management: Notification Listener Service
- UI Development: Jetpack Compose, Material Design
- Printer Integration: ESC/POS Commands, Thermal Printers
- Performance Optimization: Foreground Services, Background Services

EXPERIENCE

Probus Software Private Limited   **Pune, India**
Senior Software Developer   *MAR 2024 – Present*

- **OceanFM (Facility Management App)** Currently developing **OceanFM**, a comprehensive facility management system that streamlines daily operations such as task assignments, complaint management, space management, service requests, and training coordination.
- Implemented a **Selfie-based Attendance Management System**, tracking user attendance continuously, even when the app is closed, using custom Kotlin native modules.
- Developed **Role-based Modules** for enhanced user access and functionality, with **auto-login WebView** implementation for seamless user experience.
- Integrated a **MapView** to track the distance traveled by users and added a **Buzzer Functionality** that alerts users when they exit the designated check-in range.
- Created a **Patrolling System** where users scan QR codes to verify proximity to checkpoints, with buzzer notifications for subsequent patrol rounds.
- Developed a **Checklist Management System** for users to track tasks, utilizing **AsyncStorage, SQLite**, and **Redux Toolkit** for efficient state management.
- **KompassHR (HRMS App)** - Developed and launched a robust HRMS app on **Google Play Store**, streamlining HR operations.
- Engineered a secure **PIN-based authentication** system with optional **app lock**, ensuring data protection.
- Optimized performance using **react-native-mmkv-storage** for fast, secure data storage.
- Implemented **offline capabilities** with **react-native-sqlite-storage**, enabling seamless use without internet.
- Integrated **push notifications** for real-time communication on Android and iOS.
- Designed **intuitive UI/UX**, ensuring a consistent, responsive user experience across devices.
- Developed key modules, including **Leave Requests** and **Punch Missings**, to meet employee needs.
- Implemented a **location-based attendance system**, enhancing compliance with geographical boundaries.
- Streamlined HR workflows with **request approval** for leave, attendance, and other requests.
- Designed **role-based features**, ensuring tailored access based on user roles.
- Launched a **Community Tab** for role-specific users to share notices and events, fostering collaboration.

- Leveraged **Redux Toolkit** for efficient state and API management, improving performance and maintainability.
- Boosted productivity with a **webview module**, featuring auto-login for seamless user experience.
- Developed a **Map View Module** to track employee **check-in/check-out locations**, optimizing field operations.
- Created an **offline attendance system**, syncing data with the server once connectivity is restored.

- **BVGLens (Facility Management App)** Launched the **BVGLens** app on **Google Play Store**, optimizing operations and communication for BVG teams and clients.
- Developed a **Task Management System** for task tracking, boosting team productivity.
- Implemented a **Requests and Approvals System** for efficient budget submission and approval.
- Integrated **Client Access** for raising and tracking service requests, improving communication.
- Created an **Operations Team Access** system to resolve client complaints and enhance satisfaction.
- Designed a **Visitor Management System** for secure and efficient visitor tracking.
- Developed an **Inventory Management System** for real-time stock tracking and consumption.
- Built a **webview-based app** with seamless session management, ensuring uninterrupted user experience.
- Focused on **role-based access** for optimized functionality for both teams and clients.

Appclub Technologies Pvt Ltd   Pune, India
React Native Developer   *SEP 2022 – MAR 2024*

- Spearheaded the deployment and publishing of the **JustKolab** app on both Android and iOS platforms, ensuring seamless cross-platform functionality.
- Published **JustKolab** to the Play Store (link) and the Apple Store (link).
- Prototyped and developed the app from scratch, leveraging a user-centric approach to ensure intuitive and engaging designs.
- Integrated state-of-the-art technologies, including **React Redux**, **Redux Toolkit**, and **Redux Toolkit Queries** for efficient state management.
- Implemented advanced React Native modules such as **react-navigation** and **react-native-firebase** to enhance app performance and functionality.
- Conducted **Test-Driven Development (TDD)** using **Jest**, ensuring the app's stability and robustness.
- Wrote modular, type-safe code using **TypeScript** on the React Native frontend for scalable development.
- Designed dynamic and visually engaging animations inspired by **Apple's website**, delivering a premium user experience.

- Enabled real-time messaging with push notifications by leveraging **Firebase's live database updates**.
- Developed a dynamic bottom navigation tab bar that dynamically responds to user interactions, offering an immersive experience.
- Implemented Instagram thread-like functionality, including post creation, likes, reporting, and comments, fostering user engagement.
- Optimized search functionality in the user list UI by implementing debouncing and leveraging advanced React Native techniques.
- Integrated media players (video and audio) and designed **pixel-perfect, visually stunning UIs** for enhanced user interaction.
- Added YouTube and Spotify integrations using third-party libraries, extending the app's multimedia capabilities.
- Integrated **Google AdMob** using **react-native-google-mobile-ads**, enabling seamless monetization.
- Implemented **in-app chat functionality** using the Flyer Chat module, enhancing communication within the platform.
- Achieved better performance optimization by utilizing **@shopify/flash-list** for dynamic rendering of lists.
- Developed the web version of **JustKolab**, leveraging **React.js, Material-UI (MUI)**, and **Firebase** for seamless cross-platform compatibility.
- Designed and implemented responsive and interactive components for the web app, ensuring consistency with the mobile platform.
- Integrated advanced **state management techniques** for the web version using Redux Toolkit, mirroring the mobile app's functionality.

Key Projects

- **WhatsApp Auto Printing Application**
  Developed an Android application using **Kotlin** and **Jetpack Compose** to automate the printing of WhatsApp notifications and images via a thermal printer. Key highlights include:

  - Integrated **Notification Listener Service** for real-time monitoring of WhatsApp messages.
  - Implemented functionality to retrieve images from the **WhatsApp Images directory**.
  - Utilized **ESC/POS commands** for seamless thermal printing, supporting both text and images.
  - Designed a modern UI with **Jetpack Compose**, optimized for user experience.
  - Leveraged **foreground services** to ensure app reliability under Android battery optimizations.

CERTIFICATIONS

- The Comprehensive Android Developer Bootcamp ↗
- Martian Internship Program ↗

EDUCATION

Vishwakarma Institute of Information And Technology, Pune   **JUN 2019 – JUL 2023**
*B.Tech. - Computer Engineering - **CGPA** - **9.02***   *Pune, India*