VIGNESHWARAN B

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📍 Coimbatore, Tamil Nadu, India

PROFESSIONAL SUMMARY

Proactive and impact-focused **React & React Native Developer** with 2+ years of experience delivering **high-performance, offline-first mobile apps** across Android and iOS. Adept in **JavaScript, TypeScript, Redux Toolkit**, and scalable architecture design. Known for translating business needs into elegant technical solutions with measurable user and performance gains.

Core Competencies:

- Advanced **React Native** development with **Redux Toolkit** and **Redux Saga** for state management
- **JavaScript ES6+** and **TypeScript** for type-safe, maintainable code
- **MVVM** architecture pattern implementation for scalable mobile apps
- **API** integration, and **JSON** data handling
- **Middleware** design for seamless **REST** service communication
- **Component-based** architecture with reusable UI libraries
- **Trunk-based** development and CI/CD pipeline optimization

🎯 **Impact-Driven Results:** Delivered 4+ production apps serving 2000+ users globally, improved sync success rates by 45%, and reduced image upload payloads by 60%.

TECHNICAL SKILLS:

- **Frontend:** React Native CLI, React, React Navigation, React Native Paper
- **Languages:** JavaScript, TypeScript, HTML, CSS
- **State Management:** Redux Toolkit, Context API
- **APIs & Backend:** RESTful APIs, Firebase, Node.js (Basic)
- **Data & Storage:** SQLite, AsyncStorage, CryptoJS
- **Tools:** Git, GitHub, Android Studio, Xcode, Postman
- **Other:** App Store & Play Store Deployment, Media Compression, Barcode/QR Scanning, Firebase Realtime Database

PROFESSIONAL EXPERIENCE
- React Native Developer **[01 May 2023 – Present]**

Nanosoft Engineers Pvt Ltd | Coimbatore, Tamil Nadu, India

* Delivered **4+ full-scale mobile apps** used by 2000+ field technicians across the World for facility management.

* Improved app availability in low-connectivity zones by designing an **offline-first architecture** using SQLite, AsyncStorage, and custom sync logic.

* Boosted data integrity with **custom retry queues and exponential backoff**, improving sync success rates by 45%.

* Enhanced security by integrating **encrypted local storage** using CryptoJS, aligned with industry best practices.

* Reduced image upload payloads by 60% using **automated image compression**, improving media upload speeds and app responsiveness.

* Refactored legacy navigation and modal components, reducing UI latency by 30% and improving user satisfaction in QA sessions.

* Led 15+ **QA-ready build deployments** (APK), integrating version tracking and real-time testing feedback loops.

* Spearheaded **store release cycles** for both Android and iOS, ensuring compliance, optimizing performance, and implementing Proguard for secure code.

* Enabled **multi-device QR/barcode scanning** compatibility using react-native-qrcode-scanner and Zebra SDKs.

* Implemented **dynamic multilingual support** via centralized API-driven key mapping, enabling seamless language switching for 3 regional languages.

PROJECTS

Facility Management App
- Offline-enabled app for technicians with login, tasks, media capture, and barcode scanning.

- Stack: React Native, Redux Toolkit, SQLite, AsyncStorage, CryptoJS

Reels App Offline *(Personal Project)*
- Local media player supporting multiple video uploads and playback, categorized by folder.

- Built with native modules and runtime permissions.

Customer Handling App
- App for managing client visits, updates, and service escalations with backend syncing.

- Features include photo capture, signature pad, retry logic, and real-time updates.

Attendance App
- GPS-aware check-in system with QR scan and offline attendance logging.

- Used SQLite and Redux for robust local-first operations.

WebView App
- Wrapped web-based application with native capabilities using react-native-webview.

EDUCATION & CERTIFICATIONS

- **Masters in Computer Applications (MCA - ONLINE) [2024 - 2026]**
  Bharathiar University, Coimbatore

- **MERN Stack Developer – Certification Course [2022 - 2023]**
  N School Academy | 2022 – 2023
  Gained hands-on experience in **MongoDB, Express.js, React, Node.js**, REST APIs, JWT authentication, and full-stack project development.

- **Masters in Social Work (Medical & Psychiatry) [2019 - 2021]**
  Bharathiar University, Coimbatore

- **Bachelor of Science (Physics) [2016 - 2019]**
  Jamal Mohamed College of Arts and Science, Trichy

ADDITIONAL

- Available for **remote, hybrid, or on-site roles** with flexible work hours across time zones.
- Passionate about **continuous learning**, actively exploring **new libraries**, **design patterns**, and contributing to **open-source** projects.
- Strong believer in **clean code**, **performance optimization**, and **scalable architecture** for long-term maintainability.
- Enthusiastic about **mentoring junior developers**, conducting peer code reviews, and sharing knowledge with the team.
  Quick to adapt in **dynamic environments** and capable of taking ownership of features from **idea to release**.
- Familiar with **CI/CD pipelines**, **code obfuscation**, **debugging tools**, and **analytics integration**.
- Interested in **mobile UX trends**, accessibility, and building **inclusive apps** for a wide range of users.

KEYWORDS FOR RECRUITERS

- **React Native | Redux | JavaScript | React | TypeScript | Middleware | ES6+ | Trunk-based Development | Redux Tool kit| MVVM | Mobile Application Developer | React Native Developer | API | Microservices | REST | JSON | Component-based Architecture | Hybrid Mobile Development |**