# 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.

🔧 Strong in clean code, mobile UX, app security, and CI/CD best practices.

## 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 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.