

JEYA SHEELAN J

Mobile Application Developer | Transitioning to Native Android Development (Kotlin, Jetpack Compose)
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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience building cross-platform mobile and web applications, including production Flutter apps with Bloc/Cubit state management, native RFID hardware integrations, and REST/WebSocket-based systems. Strong foundation in mobile app architecture, API integration, and performance optimization for enterprise and industrial environments. Currently upskilling in native Android development — Kotlin, Jetpack Compose, Navigation Component, ViewModel, Kotlin Flow, Retrofit, and Material3 — to transition into native Android engineering roles. Brings a proven ability to ship scalable, high-performance mobile applications and a fast learning curve across mobile technology stacks.

TECHNICAL SKILLS

Languages: Dart, JavaScript, Kotlin.

Android Native Development: Kotlin, Jetpack Compose, Navigation Component, ViewModel, Kotlin Flow, Retrofit, Material3

Mobile & Web Frameworks: Flutter, React.js, Next.js

State Management: Bloc (Cubit), React Context API

APIs & Integration: REST APIs, Microsoft Graph API, Excel API, WebSocket, Zebra RFID SDK (Method Channel), LLRP, Zebra IoT Connector

Frontend: HTML, CSS, Bootstrap

Tools: Git, GitHub, Postman

WORK EXPERIENCE

Perach Innovations and Technologies Private Limited | Software Engineer – Flutter Developer Jan 2026 – September 2026

- Integrated FX9600 and AN4800 fixed RFID readers using Zebra IoT Connector and LLRP protocol for enterprise-grade deployments.
- Integrated Microsoft Graph API for cloud-based data synchronization and management.
- Developed an image classification module to detect and recognize objects captured within the mobile application, training a custom image recognition model.
- Migrated the Flutter RFID device module to iOS, ensuring cross-platform compatibility and feature parity.

Datayaan Solution Pvt. Ltd. | Software Engineer – Flutter Developer Jun 2025 – Dec 2025

- Developed and maintained cross-platform Flutter applications for RFID-based asset tracking systems, reducing manual tracking errors significantly.
- Architected scalable state management using Bloc (Cubit), improving code maintainability and team velocity.
- Built Zebra RFID SDK integration via Flutter Method Channel, enabling real-time tag scanning and live distance feedback.
- Implemented Excel read/write/update workflows and SharePoint image upload/retrieval pipelines via Microsoft Graph API, streamlining asset data and document management.
- Optimized app performance for large-scale data processing in industrial environments, ensuring reliability under high-load conditions.

Spagylo Tech Pvt. Ltd. | Software Engineer – Front-End Developer May 2024 – May 2025

- Built responsive web applications using React.js and Next.js, serving a production user base.
- Implemented server-side rendering (SSR) and static site generation (SSG) strategies, improving page load speed and SEO rankings.
- Integrated REST APIs and WebSockets for real-time data features including live notifications and messaging.
- Designed and maintained efficient state management using React Context API across multiple product modules.
- Improved application performance through lazy loading, code splitting, and image optimization techniques.
- Maintained code quality standards using ESLint and Prettier, reducing review cycle time.

Jiametric Technology | Web Development Intern Dec 2023 – Apr 2024

- Gained hands-on experience with React.js, Next.js, REST API integration, SSR, and Git/GitHub workflows.

PROJECTS

RFID Asset Tracking System (Flutter, Zebra SDK, Microsoft Graph API)

- Built a real-time asset tracking application using RFID technology and Zebra SDK via Method Channel for live tag detection.
- Integrated Microsoft Graph API for Excel-based asset data management with automated reporting workflows.
- Implemented offline support with background synchronization and local caching for field environments with limited connectivity.

Bees of Business (React.js, WebSockets)

- Developed real-time messaging features using WebSockets — including presence tracking, typing indicators, and delivery status — supporting concurrent users with low-latency delivery.

Hypso (Next.js)

- Developed map-based platform features including geolocation search and marker clustering, leveraging Next.js SSR for faster page loads and higher SEO rankings.

What Matters (React.js, YouTube API)

- Developed an OKR-based goal tracking platform with real-time progress updates, collaborative features, and YouTube API integration for in-app educational content.
- Enhanced UI with smooth animations and fully responsive design across mobile and desktop viewports.

EDUCATION

B.E., Electronics and Communication Engineering

Nadar Saraswathi College of Engineering and Technology, Theni | CGPA: 8.3 | 2019 – 2023