Janani Jayasuriya

Mobile Application Developer | React Native

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PROFILE

Mobile Application Developer with 1+ year of industry experience building scalable, production-ready mobile applications, specializing in React Native. Strong expertise in JavaScript/TypeScript, API-driven mobile architectures, secure authentication, firebase messaging and payment integrations. Proven experience delivering consumer-facing and enterprise mobile applications, collaborating with cross-functional teams, and maintaining high standards of performance, security, and code quality. Passionate about continuous learning and building impactful digital products.

PROFESSIONAL EXPERIENCE

Associate Software Engineer (Mobile – React Native)
WebAppClouds LLC – Colombo, Sri Lanka   **October 2023 - Present**

- Design, develop, and maintain cross-platform mobile applications using React Native.
- Build reusable, scalable UI components with JavaScript and TypeScript.
- Implement React Navigation, REST API integrations, and client-side state management.
- Collaborate with design, backend, and QA teams to deliver secure, high-performance features.
- Participate in code reviews, sprint planning, debugging, and continuous improvement.

Android Developer – Intern
WebAppClouds LLC – Colombo, Sri Lanka

- Delivered production-grade Android applications with authentication, payments, and notifications.
- Integrated PayHere payment gateway and Firebase Cloud Messaging (FCM).
- Apply MVVM architecture to improve code structure and testability.
- Perform unit testing using JUnit and support debugging and code reviews.

React Native Developer (Freelance)
LilyLanka – Colombo, Sri Lanka   **October 2025 – Present**

- Developing a production-grade React Native cross-platform tourism management mobile application for Sri Lanka's travel industry.
- Build core application features including bookings, tour management, itinerary handling, and real-time location–based functionality.
- Implement reusable UI components and a scalable navigation architecture to support complex user flows.
- Integrate RESTful APIs for dynamic content, real-time updates, and backend-driven workflows.
- Translate UI/UX designs into responsive, accessible, and user-friendly mobile interfaces.
- Ensure clean, maintainable code, performance optimization, and architectural consistency across the application.

PROJECTS

WAC Charge Map – Electric Vehicle Charging Station Finder App (React Native | JavaScript | REST APIs)
- Built a cross-platform mobile app for discovering and crowdsourcing EV charging station locations with real-time.
  geolocation and map navigation.
- Implemented secure JWT-based authentication with Google OAuth, OTP verification, and automatic session validation.
- Designed modular architecture using Context API for state management, custom hooks, and reusable components.
- Developed charger contribution workflow with image uploads, edit requests, and multi-stage approval tracking.
- Integrated dark/light theme support, location services, and optimized form handling for seamless UX.

IMS PO Receiving App – Warehouse Inventory Management System (React Native | JavaScript | REST APIs)
- Developed a cross-platform mobile app (iOS/Android) to streamline purchase orders received for warehouse operations.
- Implemented JWT authentication with auto-refresh tokens and secure session management.
- Built real-time dashboard with status filters, search, and pagination for PO tracking.
- Created items receiving workflow with quantity validation, image capture, warehouse selection, and receipt generation.
- Integrated multi-business support allowing users to switch between business units seamlessly.
- Reduced manual data entry errors and accelerated inventory updates by digitizing the PO receiving process.

Ibson's Choice Cafe App – Food Ordering System (React Native | JavaScript | Firebase | Pay Here | REST APIs)
- Built a multi-branch food ordering app with menu browsing, custom cake ordering, and table reservations.
- Integrated PayHere payment gateway with secure server-side verification.
- Implemented real-time order tracking using FCM push notifications.
- Designed JWT authentication with automatic token refresh and offline cart persistence using AsyncStorage.
- Applied clean architecture with Context API state management, custom hooks, and 120+ reusable components.

Ibson's Eco Rentals App – Electric Vehicle Rental Platform (React Native | TypeScript | Zustand | REST APIs)
- Developed a cross-platform mobile application for an eco-friendly electric vehicle rental service with booking system supporting both iOS and Android.
- Built scalable navigation architecture using React Navigation with nested stacks and custom bottom tabs.
- Implemented global state management using Zustand and Context API with light/dark theme support.
- Integrated multiple RESTful APIs with centralized error handling and reusable data-fetching hooks.
- Developed reusable component architecture with optimized performance (React.memo) and responsive UI/UX.
- Integrated native features including deep linking, platform-specific date pickers, and safe area handling.

RESEARCH & INNOVATION PROJECTS

Sri Goviya – Sinhala Paddy Advisory Chatbot (Final Year Research Project) | Flutter, Python, RAG, Flask

An AI-powered Sinhala-language chatbot developed to support Sri Lankan paddy farmers by providing agricultural guidance in their native language. The system uses Retrieval-Augmented Generation (RAG) with Sentence Transformers, FAISS, and Flan-T5 to refine the responses. Built on a scalable Python/PyTorch architecture, the chatbot is integrated into a Flutter mobile application via a Flask backend, along with other core features. This research was accepted at the ICT4SD 2025 conference and ICAC 2025.

TryOn – Virtual Dressing Room | Python, Flask, React, Firebase

An An AI-based virtual dressing room solution that allows users to try on clothes virtually in real time. Features include gesture-based navigation, dynamic size adjustment, skin tone-aware outfit recommendations, and a virtual wardrobe. The research was accepted at the ICICT 2024 Conference and published in the Tuijin Jishu journal. Introduction Video | Paper

EDUCATION

BSc (Hons) in Information Technology – Software Engineering
Sri Lanka Institute of Information Technology (SLIIT)
June 2021 – June 2025

G.C.E Advanced Level Examination – Physical Science Stream
Southlands College, Galle, Sri Lanka
October 2020

Advanced Certificate Course in English Language
National Institute of Business Management (NIBM), Sri Lanka
Jun 2018

CERTIFICATIONS

AWS Cloud Quest: Cloud Practitioner – *April 2025*

TECHNICAL SKILLS

Mobile Development – React Native, Flutter, Jetpack Compose
Programming Languages – JavaScript, TypeScript, Kotlin, Java, Dart, Python
State Management – Redux, Zustand
Backend & API Integration – Node JS, RESTful APIs
Web Technologies – React, Next.js
Databases & Cloud – Firebase, SQLite, MySQL, MongoDB
Tools & Platforms – Android Studio, Xcode, App Store Connect, Git, Postman, Swagger
Testing & DevOps – Jest, JUnit, CI/CD fundamentals, AWS fundamentals

REFERENCES

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