

NIPUN GUNAWARADANA

Software Engineer Mobile

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SUMMARY

Full Stack Software Engineer with 3 years of experience in building scalable, high-performance applications. Specialized in mobile development (Android, iOS, Flutter) and backend technologies (Spring Boot, .NET, Node.js), with experience in databases (MongoDB, MySQL).

Skilled in web development using ReactJS, delivering end-to-end solutions across platforms. Demonstrates a collaborative approach, problem-solving mindset, and a commitment to continuous learning and innovation in software design and implementation.

WORK EXPERIENCE

Jan 2025 - Present

Software Engineer Mobile, Sankaraa Tech (Pte) Ltd.

- Translated requirements into scalable technical tasks with accurate estimates.
- Developed cross-platform mobile apps using **Flutter (BLoC)**, Android (**Kotlin, Jetpack, XML**), iOS (**Swift, UIKit**).
- Built **Core Reusable Modules (camera, GPS, notifications, permissions)** for multi-project use.
- Integrated **REST APIs, GraphQL**, and third-party SDKs with centralized error handling and state management.
- Applied modularization, **dependency injection** and state management patterns.
- Wrote **unit** and **UI tests** to ensure release stability.
- Optimized **app performance, binary size**, and eliminated redundant code.
- Refactored existing codebase GetX into Provider with Clean Architecture.
- Configured **Flutter Flavors** and **Android/iOS** product **flavors** for staging, sandbox, and production.
- Monitored performance with **Firebase Crashlytics**, Analytics, Performance Monitoring.
- Conducted code reviews** and integrated CI/CD pipelines (GitHub Actions, Bitrise, Codemagic).
- Collaborated with **QA** to **fix platform-specific bugs** and regressions.
- Mentored junior developers** on architecture, **UI/UX**, and **debugging**.
- Managed **complete app publishing process** on **Google Play Console** and **Apple App Store**.
- Created **release notes, documentation**, and asset delivery guidelines for cross-team collaboration.
- Implemented cost-effective solutions, resulting in a 20% reduction in project expenses.
- Streamlined project workflows, enhancing overall efficiency by 25%.

May 2023 - Jan 2025

Associate Software Engineer, SI Dynamics (Pvt) Ltd.

- Developed end-to-end mobile applications throughout the **full software development lifecycle (SDLC)**.
- Implementing **CLEAN Architecture** and **MVVM** to ensure scalability, maintainability, and testability.
- Designed, developed, and maintained **native Android** applications using **Java, Kotlin, Jetpack** components.
- Optimized app performance with **Coroutines** for **asynchronous** tasks and implemented scalable dependency injection using Dagger Hilt.
- Worked in **Agile/Scrum** environment and update **Sprints & maintain Git** for Version control.
- Developed **Web Applications** in **React MUI** and **Flutter Web**.
- Integrated AI-driven** Predictive Search in a salary management system, **leveraging Google Places API (Geocode, Places, Directions)** and ML-based geolocation algorithms to optimize worker task assignments and reduce travel inefficiencies and worked with **Reverse proxies**.
- Developed **QR code generation** and **scanning** features for order tracking and task completion.
- Integrated **secure payment gateways (Stripe)** for seamless transactions.
- Conducted **research and development** to implement geofencing in tracking apps, ensuring users can only check in when their current location matches the assigned destination.
- Developed **RESTful APIs** using **Node.js, SpringBoot** and managed databases with **MongoDB & Mysql**.
- Provided guidelines for API management.

- **provide API guidelines** to Backend Developers.
 - Conducted **research and development** to integrate new technologies and enhance system capabilities.
 - Worked in **Background Syncing, Map clustering** & implemented **reusable components**
 - Designed, developed, and maintained **native Android & IOS** applications using **Kotlin, Swift , Jetpack** components.
 - Created **comprehensive documentation** for **app publishing assets** (graphics, icons, videos, banners, descriptions).
 - Implemented **Firebase Cloud Messaging** for **push notifications** across Android and iOS, supporting both background and foreground scenarios.
 - **Optimized location service** permissions to improve app performance while ensuring user privacy compliance.
 - Worked with Flutter, Android, IOS **Charts** for meaningful Data to enhance User Preference.
 - **Analyze the new requirements** and manage existing databases.
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EDUCATION

Bsc (Hons) in Software Engineering

Birmingham City University - Uk | 2nd class Division 1

Scottish Qualifications Authority - SCQF Level 9

Scottish Qualifications Authority - SCQF Level 8

Scottish Qualifications Authority - SCQF Level 7

PROJECTS

Enterprise Solutions

- SuiteSales – CRM: Developed a customer relationship management app enabling lead tracking, sales pipeline **Feb 2022** monitoring, and reporting dashboards.
- SuiteStock – WMS: Built a warehouse management system with real-time inventory control, barcode scanning, and logistics integration.

Industry-Specific Applications

- IoT App for Lalan Rubber & Strap Manufacturers: Implemented IoT-driven monitoring and control features to optimize manufacturing workflows.
- GSMB Sand Order Management: Built a mobile app for automated sand order requests, approval flows, and transport tracking.
- Water Board Tracking & Salary Management: Designed employee attendance, people tracking, and payroll management solutions.
- Mail Sending Application: Developed a secure email-sending mobile app for bulk and automated communication.

AI & Next-Gen Applications

- AI Chat App with LangChain + OpenAI: Created a conversational AI assistant connected to a custom SQL database, enabling natural language queries without SQL knowledge.
- Innov HR: Developed a complete HR management application covering employee lifecycle, attendance, and payroll.
- Smart Buddy: Built a lifestyle and services marketplace app with advertisement integration.

Fintech, E-Commerce & Social Apps

- Bitzean Wallet: Engineered a digital wallet with secure payments, transaction history, and peer-to-peer transfer features.
- DStore (M-Commerce): Developed a mobile commerce app with catalog browsing, order management, and payment integration.
- Bitzean Social Media App: Created a community platform with user profiles, posts, real-time chat, and content sharing.

Travel & Lifestyle Applications

- My Traveller Yummy: Designed a food and travel companion app with restaurant discovery, reviews, and booking.
- Gokarz: Developed a ride-hailing and transportation app with live GPS tracking and driver–customer matching.

SKILLS

Core

- Flutter: BLoC, GoRouter
- Android: Kotlin, Java, Jetpack, XML, Material Design, Reusable modules
- Architecture & Design: Clean Architecture, SOLID Principles, MVVM, Offline-first design, Asynchronous, Dependency Injection

Programming & Databases

- Languages: Kotlin, Swift, Dart, Java, Javascript
- Databases: SQLite, Room, Hive, MongoDB, MySql
- Backend: NodeJS, SpringBoot
- Frameworks: Jetpack, Flutter, ReactJS, NextJS
- API Integration: RESTful APIs, Firebase, Netsuite (NetSuite Auth, Firestore, Realtime DB)

Cloud & DevOps

- Cloud Services: Firebase, Play Console, App Store Connect
- Deployment & Monitoring: Application performance monitoring, crash analytics

Tools & Frameworks

- Version Control: Git, GitHub, GitLab, Bitbucket, Branching strategies, Code reviews
- IDEs & Editors: Android Studio, Xcode, VS Code, IntelliJ
- Testing: Unit Testing, Integration Testing, UI Testing (JUnit, Espresso, Mockito, Flutter Test)
- API & Debugging Tools: Postman, Swagger

Additional

- AI & LLM Integration: LangChain + OpenAI, SQL-based query systems, Conversational AI
- Location & IoT: GPS tracking, Bluetooth (BLE), IoT integrations
- Push Notifications & Payments: Push Notifications, Payment Gateway Integrations
- Background Services: Foreground/Background tracking

LANGUAGES

English
Sinhala

REFEREES

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