

# DEVENDIRAN THIYAGARAJAN

Flutter Developer

Chennai, Tamil Nadu

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## Professional Summary

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Flutter Developer with 2+ years of experience building scalable apps with clean architecture and strong real-time performance. Passionate about building resilient, maintainable software and known for applying KISS/DRY principles, optimizing performance, and delivering high-quality features quickly. Specialized in cross-platform app development, performance tuning, real-time communication, backend integration, and enterprise-grade UI/UX.

## Professional Experience

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### Flutter App Developer

Onwards Smart Solutions

(Jan 2023 - May 2025)

- Developed high-performance Flutter applications with clean architecture and optimized UI/UX
- Built an office management system with attendance, task, and finance modules, ensuring stable cross-platform builds
- Designed and developed a smart home automation app with real-time device control and automation scheduling
- Implemented MQTT-based real-time communication across mobile platforms
- Created an AI-powered assistant integrating ChatGPT, voice-to-text, and image-processing features
- Built and deployed a tablet-specific Flutter app optimized for enterprise workflows and large-screen usability
- Integrated Firebase, Crashlytics, real-time updates, and push notifications for seamless engagement
- Collaborated with designers, backend developers, and QA teams to deliver high-quality releases

## Technical Skills

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- Languages: Dart, Kotlin (Basic)
- Framework: Flutter
- State Management: Provider, BLoC (Basic)
- Architecture: Clean, MVVM
- Tools: Android Studio, VS Code, Xcode, GitHub, Jira
- Version control: Git
- Backend: Firebase (Realtime DB, Firestore, Cloud storage, Crashlytics, Messaging, App distribution, Authentication)
- API Integration: REST APIs
- Mobile Features: Notifications, Google Maps API
- Advanced: MQTT protocol, Tablet app support, ChatGPT

## Projects

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### Onwards Smart Things – Smart Home Automation App

- Built real-time smart home automation features using MQTT for instant device communication
- Developed custom widgets for gate and device control
- Added real-time notifications for device and automation status
- Integrated Firebase Crashlytics for production stability

### **Onwords Workspace – Enterprise Office Management App**

- Developed modules for attendance, task tracking, finance reporting, and lead management
- Implemented workflows for refreshment requests and product creation/update/deletion
- Improved backend workflows enabling seamless data sync for attendance, tasks, finance, and leads

### **Mudhal AI – AI-Powered Assistant App**

- Built an AI assistant integrating ChatGPT, voice-to-text, and image-processing features
- Designed conversational UI for natural interaction
- Published exclusively for iOS and optimized for App Store compliance

### **Onwords ST – Tablet-Specific Automation App**

- Developed a tablet-first smart automation app for large-screen enterprise workflows
- Designed adaptive large-screen UI layouts for improved tablet usability
- Deployed on both Play Store and App Store with optimized performance

## **Education**

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MBA, Coimbatore (2019 – 2021)

Sri Krishna College of Engineering & Technology

CGPA: 7.8