

# VINOTH M

## LEAD FLUTTER DEVELOPER · MOBILE ENGINEERING LEAD

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### PROFESSIONAL SUMMARY

Lead Flutter Developer with 10+ years in mobile application development, including 6+ years in Flutter, delivering FinTech, SaaS and marketplace products across iOS and Android.

Leads teams end to end — architecture, estimation, code review, CI/CD and store release. Recent work covers a retail finance app handling fiat and cryptocurrency transfers, card issuance and KYC, and the mobile architecture for an AI marketplace platform built with Spec Driven Development (GitHub SpecKit, ADRs, guardrails and governance).

### KEY ACHIEVEMENTS

- Published an open-source Flutter network manager package and 5+ internal packages adopted across teams as the standard architecture baseline.
- Introduced Spec Driven Development to the mobile organisation as a governed, repeatable specification-to-implementation workflow.

### PROFESSIONAL EXPERIENCE

#### Lead Flutter Developer

##### O3.ai — Rishabh Software

05/2026 – Present · Coimbatore, India

- Lead the mobile track for a chemical industry AI marketplace platform, defining the Flutter architecture, module boundaries and integration contracts with platform services.
- Introduced Spec Driven Development to the mobile track: evaluated OpenSpec and GitHub SpecKit, selected SpecKit, and rolled out the specification-to-implementation workflow with Claude as the primary coding agent.
- Produced the architecture baseline — ADRs, guardrails, governance rules and reusable prompt templates — so AI-assisted delivery stays reviewable, consistent and auditable.
- Applied token-optimization methodologies (signal-per-token rule, context scoping, spec decomposition) to cut model cost and hallucination in long agentic sessions.

#### Lead Flutter Developer

##### Connect Finance — Rishabh Software

10/2025 – 05/2026 · Coimbatore, India

- Led Flutter development of a retail finance mobile application supporting fiat and cryptocurrency — deposits, transfers, crypto-to-fiat and multi-currency trading — plus debit and credit card issuance, activation, limits, freeze/unfreeze and transaction history.
- Implemented the KYC and identity verification flow with the Alloy SDK, and integrated IC2 and VGS for card services and sensitive-data tokenization.
- Built security-critical flows to PCI-DSS aware standards — biometric authentication, device binding, secure key storage and encrypted local persistence.
- Defined app architecture and state management (Clean Architecture with Bloc) and coordinated releases with backend and compliance stakeholders.

### EDUCATION

#### M.Sc. Software Systems

##### Bharathiar University

2011 – 2016 · Coimbatore, India

### CORE SKILLS

#### MOBILE DEVELOPMENT

Flutter

Dart

iOS

Swift

UIKit

Android

Custom UI

Animations

CustomPaint

Accessibility

Offline-first

#### STATE MANAGEMENT

Bloc

Cubit

Provider

Riverpod

#### ARCHITECTURE

Clean Architecture

MVVM

MVC

Modular architecture

ADRs

Design patterns

Technical design docs

#### AI & SPEC DRIVEN DEVELOPMENT

GitHub SpecKit

OpenSpec

Spec Driven Development

Prompt engineering

LLM API integration

Claude

OpenAI

Agentic workflows

Token optimization

AI governance

#### FINTECH & SECURITY

KYC onboarding

Alloy SDK

Card issuance

Crypto & fiat payments

VGS tokenization

IC2

PCI-DSS aware

PROFESSIONAL EXPERIENCE (CONTINUED)

Team Lead / Lead Flutter Developer

5day.io — Rishabh Software

02/2023 – 10/2025 · Coimbatore, India

- Led the mobile team building a SaaS agile project management platform (Tasks, Discussions, Files, Timesheets) on a microservice backend.
- Owned the end-to-end mobile lifecycle: architecture, estimation, code review, QA hand-off, store submission and post-release monitoring.
- Automated CI/CD with Jenkins and Fastlane, cutting manual release effort and stabilising the release cadence.
- Instrumented Mixpanel analytics that informed feature prioritisation, and monitored Crashlytics to drive stability fixes.
- Published an open-source Flutter network manager package and built 5+ internal packages adopted across teams to standardise architecture and speed up delivery.
- Prototyped LLM-powered voice commands for task creation, leading to a command-to-action engine mapping natural language to structured task actions.
- Ran Agile ceremonies — sprint planning, grooming, estimation, reviews and retrospectives — and mentored developers on Clean Architecture and Bloc.

Senior Software Engineer

Cliq Connect

08/2022 – 01/2023

- Developed an inclusive dating application for people with disabilities, with accessibility and user safety as primary requirements.
- Implemented real-time chat with the Sendbird API and met App Store review guidelines for user-generated content and safety.
- Improved accessibility for visually impaired users through screen-reader support, semantics and contrast corrections.

Senior Software Engineer

Practical Spiritual Life

05/2022 – 07/2022

- Built a community platform for rich-media content publishing with a moderated Q&A workflow.
- Authored structured technical documentation for API flows, improving clarity and regulatory alignment.

EARLIER PROJECTS (2016 – 2022)

- Instancy** (Flutter) — learning marketplace with chat, leaderboard and content modules.
- Trugo** (Flutter) — e-commerce delivery and logistics app with wallet integration.
- 3PM Cleanpal** (Flutter) — task and job management app with geolocation tracking.
- Screen App** (Flutter) — analog clock application built with CustomPaint animations.
- JewelTrace** (Swift) — RFID-based inventory management for jewellery retail.
- Changi Recommends** (Swift) — Singapore travel and lifestyle app.
- Easy123 & Partner123** (Swift) — service booking apps for customers and partners.
- CCMC** (Swift) — public grievance app for Coimbatore City Corporation.

CORE SKILLS (CONTINUED)

MOBILE SECURITY

- Biometric authentication
- Device binding
- Secure key storage
- Encryption

BACKEND & APIS

- Node.js
- NestJS
- REST APIs
- MySQL
- SQL
- Microservices
- SDK integration
- TypeScript
- JavaScript

CLOUD & DEVOPS

- Firebase
- Supabase
- AWS EC2
- Azure VM
- Jenkins
- Fastlane
- Codemagic
- GitHub Actions
- Azure Pipelines
- CI/CD
- App Store & Play Store release

ANALYTICS & QUALITY

- Mixpanel
- Google Analytics
- Crashlytics
- Code review
- Unit testing

LEADERSHIP & PRACTICES

- Team leadership
- Mentoring
- Agile
- Scrum
- Sprint planning
- Estimation
- Stakeholder management
- Release management

TOOLS

- Git
- GitHub
- GitLab
- Jira
- VS Code
- Xcode
- Android Studio
- Claude
- Cursor
- NotebookLM

LANGUAGES

- English — Professional
- Tamil — Native