

Diptiranjana Rout

Senior iOS / Apple Platform Developer · 10+ Years Experience

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PROFILE

Senior Apple platform engineer with 10+ years building production-grade iOS and tvOS applications across OTT, fintech, healthcare, and e-commerce domains. Led accessibility implementation and test infrastructure that pushed code coverage above 90%. Proven ability to own features end-to-end — from client requirement through architecture, delivery, and CI/CD. Currently exploring AI-powered mobile experiences and on-device machine learning for a personal finance application.

CORE SKILLS

Languages & Frameworks

- ▶ Swift (Swift 6 · strict concurrency · async/await · Combine · Swift Testing) · SwiftUI · UIKit · Objective-C
- ▶ AVKit · Core Data · SwiftData · iOS 18+ · tvOS · visionOS
- ▶ Flutter / Dart — independent sample projects

Architecture & Design

- ▶ Clean Architecture · MVVM · ATOMIC Design · SOLID Principles
- ▶ Protocol-Oriented Design · Dependency Injection · Feature-based modular organisation
- ▶ Centralized design systems: typography, spacing, color tokens, reusable component libraries

Testing & Quality

- ▶ Unit Testing · Snapshot Testing · UI Testing · SwiftLint · Periphery
- ▶ Achieved 90%+ code coverage on a production OTT platform — built test infrastructure from scratch
- ▶ Sonar Cloud · Appium · Xcode Instruments · Memory Graph Debugger · UI Debugger

DevOps & Tooling

- ▶ CI/CD: GitHub Actions · Fastlane · CircleCI
- ▶ Git (branching, merging, PR/MR, conflict resolution) · Bitbucket · GitLab · SourceTree
- ▶ Postman · Insomnia · Charles · Proxyman · Figma · Zeplin · CocoaPods

AI & Machine Learning (Explored)

- ▶ On-device ML: Core ML · Apple NaturalLanguage framework · FoundationModels (iOS 18)
- ▶ LLM APIs: Claude (Haiku / Sonnet) · OpenAI · Groq — explored multi-tier provider routing strategies
- ▶ Siri App Intents for voice-driven workflows · OCR and document classification concepts
- ▶ Naive Bayes classification in pure Swift for on-device transaction categorisation

Backend & Cloud (Explored)

- ▶ Cloudflare Workers, KV Storage, cron scheduling, and REST API design — studied for mobile backend use cases
- ▶ Supabase: explored authentication, PostgreSQL, file storage, and real-time sync as a backend option for iOS apps

AI-Assisted Development

- ▶ Proficient with GitHub Copilot, Cursor AI, ChatGPT, DeepSeek for accelerating development and unblocking problems

EXPERIENCE

iOS, tvOS & visionOS Developer · [Robosoft Technologies](#)

Jan 2021 – Present

TLC GO / Discovery+ — One codebase powering 12–13 live OTT apps

- ▶ Owned accessibility implementation across the entire platform from scratch; first engineer to introduce snapshot and UI testing — pushed code coverage above 90%
- ▶ Led UIFocus Environment development for tvOS ensuring seamless remote/keyboard navigation across complex content grids
- ▶ Managed feature delivery end-to-end: client requirement gathering, story writing, task breakdown, team coordination, and on-time releases
- ▶ Tech: Swift · SwiftUI · tvOS · visionOS · SSO · MUX · New Relic · Braze · Branch.io · Deep/Universal Linking · GitHub Actions · Sonar Cloud
- ▶ Architecture: CommandBuilder · Template · Interactor · Router · Protocol-Oriented · Dependency Injection

Sample OTT & News Apps — Internal R&D

- ▶ Built apps from scratch: SwiftUI (iOS/tvOS/visionOS), Swift 6 strict concurrency, Combine, Firebase, Face ID — reinforcing Clean Architecture and ATOMIC Design

iOS & tvOS Developer · [Bajaj Markets](#)

May 2019 – Nov 2020

- ▶ Developed and maintained the Bajaj Finserv Markets app — a financial marketplace covering personal loans, cards, insurance, investments, UPI payments, and EMI shopping
- ▶ Delivered new feature implementations with real-time data changes, authentication flows, and RESTful web service integration
- ▶ Tech: Objective-C · Xcode · Bitbucket · Jira · Deep Linking · MVVM

iOS & tvOS Developer · [Muvi Entertainment](#)

Mar 2018 – Apr 2019

- ▶ Built and maintained live and on-demand audio/video streaming apps for iOS and tvOS
- ▶ Implemented universal linking, authentication, and crash monitoring (Crashlytics); collaborated with backend teams on API changes
- ▶ Tech: Swift · Alamofire · Unit Tests · Crashlytics · MVVM

iOS Developer · [Mobiona Software Solutions](#)

Mar 2016 – Feb 2018

- ▶ Started iOS career building new apps from scratch, focused on UI development and data parsing
- ▶ Worked across UIKit, Core Data, Realm, Firebase, Storyboards, Auto Layout, and multiple third-party frameworks
- ▶ Tech: Objective-C · Swift · GitHub · JSON/XML Parsing · Alamofire · Appium

RECENT TECHNICAL DEVELOPMENT

Actively building Fynlo — a personal finance app for the Indian market (iOS 18+, SwiftUI, SwiftData). Key areas explored and applied:

AI & Finance Domain

- ▶ Designed a universal transaction capture engine covering manual entry, voice input, OCR, and payment receipt processing
- ▶ Built confidence-based transaction parsing and normalisation for improved financial data accuracy
- ▶ Explored multi-tier LLM provider routing: on-device NL → cloud LLMs — with automatic fallback logic
- ▶ Integrated Siri App Intents for voice-driven finance interactions

SwiftUI & Architecture

- ▶ Applied Clean Architecture with environment-based dependency injection and centralized service providers
- ▶ Built a reusable design system: unified typography, spacing, color tokens, and shared component library
- ▶ Used Swift Concurrency (async/await, actors) throughout for safe, maintainable asynchronous workflows

Machine Learning

- ▶ Trained a pure-Swift Naive Bayes classifier for on-device transaction categorisation (CreateML unavailable on iOS)
- ▶ Studied OCR and document classification pipelines for receipt and payment screenshot parsing

Backend & Cloud (Explored)

- ▶ Studied Cloudflare Workers architecture and serverless REST API design patterns for mobile backends
- ▶ Explored Supabase as a backend-as-a-service option: authentication, database, storage, and real-time data sync

NOTABLE PUBLISHED APPS

- ▶ **TLC GO / Discovery+** — OTT streaming · 12+ apps from a single codebase (Robosoft Technologies)
- ▶ **Bajaj Finserv Markets** — Fintech marketplace · loans, insurance, UPI, investments
- ▶ **MUVI** — Live & on-demand streaming platform
- ▶ **TikMe** — Restaurant digital solutions, Canada & USA
- ▶ Also shipped: Medtronic CareLink Mobile · EBT Connect · New Train Your Brain · Sinner2Saint · Fitnesia

EDUCATION

B.Tech, Computer Science Engineering

2010 – 2014

Institute of Technical Education & Research, Bhubaneswar, Odisha

LANGUAGES & INTERESTS

Languages: Odia (native) · Hindi · English | **Interests:** Manga / Manhwa · Swift deep-dives · Chess · Strategy games