

DIPTIRANJAN ROUT

Senior iOS Engineer | Swift | SwiftUI | tvOS | visionOS

Bhubaneswar, Odisha, India | Open to Remote | +91 82494 13585 | diptiranjan.rout.ios@gmail.com
diptirout.com | linkedin.com/in/diptiranjan-rout-ios-dev | github.com/DiptiRout

SUMMARY

Apple-platform engineer with 10+ years building production iOS and tvOS applications across streaming, fintech, transit and healthcare. Introduced automated testing and owned accessibility from inception on platforms serving millions of users. Experienced in building reliable, maintainable mobile features from architecture through delivery and release.

EXPERIENCE

Senior iOS Engineer - Robosoft Technologies

Jan 2021 - Present

Apple-platform feature development across streaming, transit and enterprise clients

- Introduced snapshot and UI testing to teams that had neither, and drove production code coverage above 90%, wired into CI through GitHub Actions and SonarCloud.
- Owned accessibility implementation across the platform from inception - VoiceOver, Dynamic Type and focus management designed in rather than retrofitted ahead of an audit.
- Led UIFocusEnvironment work for tvOS, including custom focus behaviour beyond what the framework provides by default.
- Built major features on Fuse, a shared codebase powering 18 live streaming apps - including TLC GO and Discovery+ - across iOS, tvOS and visionOS, using a CommandBuilder / Interactor / Router architecture with protocol-oriented dependency injection.
- Delivered features and maintenance on First Bus, live transit tracking and mobile ticketing for a UK operator, rated 4.6 stars across 197k App Store ratings, with 80%+ test coverage.
- Built a centralised design-token system (typography, spacing, colour) sourced from Figma, so design updates propagate without hand-editing individual screens.

Stack: Swift, SwiftUI, UIKit, Swift Concurrency, tvOS, visionOS, AVKit, SSO, MUX, Braze, Branch.io, New Relic, GitHub Actions, SonarCloud, Fastlane.

iOS Developer - Bajaj Markets

May 2019 - Nov 2020

Bajaj Finserv Markets - loans, credit cards, insurance, investments and EMI shopping

- Delivered features across a multi-product financial marketplace where a display defect becomes a support ticket and a rounding defect becomes a refund.
- Implemented single sign-on across web and app using the shared Safari session, so a user already authenticated on the web property arrived inside the app signed in.
- Implemented real-time data flows, authentication and RESTful service integration.
- Built deep linking across campaign and partner entry points into the app.

Stack: Objective-C, Swift, MVVM, web/app SSO, deep linking, Bitbucket, Jira.

iOS & tvOS Developer - Muvi Entertainment

Mar 2018 - Apr 2019

Live and on-demand streaming platform used by other developers to build their own products

- Built streaming applications for iOS and tvOS on a white-label platform, designing for extension rather than for a single product.
- Implemented universal linking, authentication flows and crash monitoring.

Stack: Swift, Alamofire, Crashlytics, MVVM, unit testing.

iOS Developer - Mobiona Software Solutions

Mar 2016 - Feb 2018

Services consultancy - began my iOS career during the Objective-C to Swift transition

- Built applications from scratch across healthcare and consumer, including Medtronic CareLink Mobile, a companion app for implantable cardiac devices.
- Worked across the UIKit stack - Core Data, Realm, Firebase, Auto Layout and JSON/XML parsing.

Stack: Objective-C, Swift, UIKit, Core Data, Realm, Firebase, Alamofire, Appium.

TECHNICAL SKILLS

Languages Swift 6 (strict concurrency, async/await, actors, Combine), Objective-C

Apple Platforms iOS 18+, tvOS, visionOS - SwiftUI, UIKit, SwiftData, Core Data, AVKit, StoreKit 2, App Intents, Siri Shortcuts, WidgetKit

Architecture Clean Architecture, MVVM, SOLID, protocol-oriented design, dependency injection, modular feature organisation, design systems and tokens

TECHNICAL SKILLS (CONTINUED)

Testing & Quality XCTest, Swift Testing, snapshot testing, UI testing, SwiftLint, Periphery, SonarCloud, Xcode Instruments, Memory Graph Debugger

Accessibility VoiceOver, Dynamic Type, focus management, WCAG-aligned auditing

CI/CD & Tooling GitHub Actions, Fastlane, CircleCI, Git, Charles/Proxyman, Figma, App Store Connect

AI & On-device ML Core ML, NaturalLanguage, Foundation Models, on-device classification, OCR, LLM APIs, AI provider routing, Claude/OpenAI/Groq APIs

Backend & Cloud Cloudflare Workers (serverless APIs), REST, web/app single sign-on

Recent Technical Focus SwiftData, StoreKit 2, App Intents and Siri Shortcuts, Foundation Models, on-device AI patterns, and practical AI-assisted engineering workflows

SELECTED SHIPPED APPLICATIONS

- Fuse - 18 streaming apps including TLC GO and Discovery+, iOS / tvOS / visionOS
- First Bus - UK transit tracking and ticketing, 4.6 stars across 197k ratings
- Bajaj Finserv Markets - fintech marketplace
- Medtronic CareLink Mobile - cardiac device companion app
- Muvi, TikMe - streaming platform and restaurant ordering (US & Canada)

EDUCATION

B.Tech, Computer Science Engineering | Institute of Technical Education & Research, Bhubaneswar | 2010 - 2014

Languages Odia (native), Hindi, English

INTERESTS

Manga and manhwa | RPG and multiplayer online games | Chess | Swift language deep-dives