

SURAJIT ROY

Software Engineer

surajitroy9064@gmail.com | +91 90645 16911 | linkedin.com/in/surajitroy | github.com/surajitroy

SUMMARY

Mobile Developer with 3+ years of experience in iOS (Swift, SwiftUI, UIKit) and cross-platform development using Flutter. Skilled in building secure fintech applications, Payment Gateways, Unified Payments Interface (UPI) systems, and scalable architectures using Model-View-ViewModel (MVVM) and REST APIs.

Technical Skills

Languages & Frameworks: Swift, Flutter, UIKit, SwiftUI, Combine, URLSession

Architecture & Development Practices: Model-View-ViewModel (MVVM), Clean Architecture, Continuous Integration/Continuous Delivery (CI/CD), REST APIs

Tools: Xcode, Android Studio, Git

WORK EXPERIENCE

Financial Software & Systems Pvt. Ltd (FSS) Chennai, India (Software Engineer)

Feb 2023 – Present

- Designed and developed **secure, large-scale digital payment applications and SDKs** across UPI and international banking platforms, used by enterprise clients and banks.
- Built a **full-featured UPI payment application** using **SwiftUI**, delivering critical flows such as **Send Money, Collect Requests, Transaction History, Account Management, and UPI ID Search**, with smooth animations and real-time state updates.
- Developed a **modular iOS Payment SDK** for international banking clients (e.g., FAB), enabling **secure card management and payment gateway integration** in merchant applications.
- Implemented **secure REST API integrations** with **token-based authentication**, encryption, and transaction validation to ensure regulatory compliance and data safety.
- Architected reusable UI components and applied **MVVM architecture**, improving maintainability, scalability, and testability across multiple applications.
- Led development of **device intelligence modules** (Location Manager, Device Info), enabling geolocation, OS/device metadata collection for personalization, compliance, and fraud prevention.
- Migrated legacy mobile applications from **ionic to Flutter**, significantly improving security, performance, and long-term maintainability.
- Collaborated closely with backend engineers, QA, and product teams to deliver **end-to-end payment flows**, ensuring high performance, stability, and production readiness.
- Contributed to **CI/CD pipelines**, code quality improvements, and production issue resolution in high-availability financial systems.

Education

MCA — Kalinga Institute of Industrial Technology (GPA: 8.26)

BCA — Bengal Institute of Science & Technology (GPA: 8.83)

Languages

English, Hindi, Bengali