SATHRIYAN VADIVELU

Senior iOS Engineer | Swift | SwiftUI | UIKit | SDK Development & Distribution | CI/CD Expertise

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SUMMARY

I'm a Senior iOS Engineer with **4+ years** of experience building high-quality mobile apps. Skilled in Swift, SwiftUI, and UIKit, with a focus on performance and code quality. Led CI/CD setup, improved app speed, and modernised legacy codebases. Collaborate well with product and QA teams to solve real user problems. **Looking for a new opportunity to contribute to a strong team and impactful product**.

KEY ACHIEVEMENTS

CI/CD Automation

Set up Bitrise, automating 100% of build, test, and release workflows.

Build Time Cut by 84%

Cut build time from 25 min to 4 min using caching and parallel steps.

Memory Usage Reduced by 92%

Decreased app memory usage by 92% with loader module rebuild.

50% Faster SDK Integration

Migrated to XCFramework + CocoaPods, halving integration time

PROFESSIONAL EXPERIENCE

iOS Developer   **August 2021 – Present**

App Innovation Technologies Pvt Ltd.   India

Specialises in mobile application development for diverse industries, delivering innovative solutions and improving app performance.

Social Networking App:

- Designed and implemented complex UI components using UIKit; enhanced multi-screen interactions for a fluid user experience.

Buy Now Pay Later App:

- Developed a wallet module, improving transaction flow and boosting financial utility for users.

CRM App:

- Maintained and enhanced app stability, resolved bugs, and ensured regular stable releases.

KYC App & SDK Platform:

- Introduced Bitrise CI/CD, replacing all manual build and release steps with automated pipelines.
- Integrated unit test checks for pull requests, increasing test coverage and code quality.
- Migrated SDK to XCFramework, removing fat binary dependencies and simplifying vendor integration. Enabled CocoaPods distribution, streamlining SDK delivery and adoption.
- Deployed Datadog for observability; configured custom dashboards and alerts tied to performance and user behaviour.
- Automated testing through CI; reduced release cadence from quarterly to once per month.
- Replaced GIF-based loaders with MP4 assets via AVFoundation, reducing memory usage from 800 MB to 65 MB.
- Refactored legacy networking using Swift Concurrency, ensuring Swift 6 readiness.
- Converted UIKit to SwiftUI, laying groundwork for TCA (The Composable Architecture) adoption.
- Automated dependency updates with vulnerability scanning and PR creation.
- Introduced the` "Buildable folder" structure, eliminating .xcodeproj conflicts and improving collaboration.

SKILLS

- Swift, SwiftUI, UIKit, Xcode, CoreData, SwiftData, Swift Charts, Swift Concurrency, CocoaPods, Swift Package Manager, XCFramework
- Bitrise, Xcode Cloud, Firebase, AWS Amplify
- Git, GitHub, Datadog, REST APIs, Postman
- Agile/Scrum, Automated Testing, Observability, SDK Distribution

EDUCATION

Bachelors: **Electrical and Electronics Engineering**

SVS College of Engineering

2015 - 2019