

Jahnavi Krishna

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Summary

Results-driven **iOS Developer** with 3+ years of experience building **scalable, high-performance enterprise mobile applications**. Strong expertise in **Swift, SwiftUI, UIKit, MVVM architecture**, and **RxSwift**, with a deep focus on **clean code, scalability and performance optimization**. Proven experience implementing **background media uploads, secure Peri Payment integrations**, and **automated CI/CD pipelines** to deliver **reliable, production-ready features** in Agile environments. Skilled at translating complex business requirements into **intuitive, user-centric solutions** while collaborating effectively across **cross-functional teams** to drive products from ideation to release.

Technical Skills

- **Programming Languages:** Swift, SwiftUI, Objective-C (Basics)
- **iOS Development:** UIKit, MVVM/MVC/Clean Architecture, URLSession, GCD, OperationQueue, ARC, Dependency Injection, SOLID Principles, Push Notifications, Offline Sync, REST API Integration, Realm, NotificationCenter, UserDefaults, Instruments, Memory Management, App Lifecycle, Multithreading, Combine, Core Data, async/await
- **Tools & Dependency Management:** Xcode (14–26), GitHub, Bitbucket, SourceTree, Jira, Figma, CocoaPods, SPM, Carthage
- **DevOps & CI/CD:** Fastlane, GitHub Actions, App Store Deployment, Adhoc Distribution, CI/CD Pipelines
- **Monitoring & Analytics:** Firebase Analytics, Crashlytics, New Relic
- **Development Practices:** Agile/Scrum, Code Reviews, Debugging, Performance Optimization, Cross-functional Collaboration, Release Management

Professional Experience

Software Engineer II (iOS Developer) Solera Inc.

Sep 2022 – Present
Bangalore, India

- Led architecture design and feature development for **4 enterprise-grade iOS applications**, enabling high-volume inspection and repair operations across field workflows.
- Architected a **scalable concurrent media upload pipeline** leveraging **URLSession**, controlled task parallelism (5 concurrent uploads), and **on-disk image downsampling** to optimize memory footprint, improve upload throughput by **33%**, and prevent upload-induced crashes in production.
- Designed and implemented a resilient **network-aware media upload mechanism** with exponential backoff retry policies, offline persistence, and automatic sync recovery, ensuring reliable media delivery across unstable network environments. Improved user efficiency by **50%** and significantly reduced shop-user upload failures and support escalations.
- Architected and developed the **PERI payment gateway integration from scratch**, designing end-to-end transaction workflows with secure processing, comprehensive error handling (failures, network timeouts), and mid-transaction recovery to ensure high reliability in production.
- Implemented **Apple WeatherKit integration** to deliver real-time weather data within the app, empowering technicians to evaluate on-site weather conditions before workplace visits and plan accordingly.
- Implemented a **force-update mechanism** to ensure users migrated to supported app versions within **24 hours**.
- Implemented a **CI/CD pipeline** using **Fastlane** and **GitHub Actions**, automating build, test, and release workflows, and improving deployment efficiency by **30%**.
- Implemented responsive UI layouts using **Auto Layout**, ensuring seamless adaptability across multiple iPhone and iPad screen sizes.
- Conducted **code reviews and technical mentoring** for junior developers, improving overall code quality and release stability.

Projects

Qapter Mobile Inspection & GoTime Inspection 2.0

[App Store](#)

Mobile inspection applications enabling VIN scanning, photo capture, annotations, and submission of detailed inspection estimates for insurers and field professionals.

- Reusable **UI components, API integrations and core business logic** in inspection workflows delivered.
- Optimized VIN decoding and media uploads using **batch-wise parallel processing**, significantly improving performance.
- Implemented **multilingual support (French)** to enable international adoption.

LX Mobile

[App Store](#)

Field-service application that allows technicians to manage jobs, payments, and daily operational workflows.

- Developed and shipped scalable iOS features using **MVVM architecture**, and led UI rebranding efforts to align the application with updated brand guidelines and design standards.
- Owned the **end-to-end integration of the PERI payment gateway**, enabling secure in-app transactions.

Autosource Mobile

[App Store](#)

Vehicle valuation platform for insurers and appraisers, generating market-value reports and PDFs.

- Led end-to-end **UI rebranding initiative**, redesigning the application's color system to align with updated brand guidelines, and implemented new features enabling users to upload supporting files within valuation workflows.
- Resolved production issues via debugging, code reviews, and performance optimization.
- Enhanced reliability through proactive crash monitoring using **Firebase Crashlytics**.

GoTime Repair

[App Store](#)

Mobile solution enabling repairers to manage AutoWatch repair orders, photos, and job statuses.

- Designed and implemented a custom **force-update library in Objective-C**, similar to Siren, enforcing mandatory app updates.

Education

Reva University

Bachelor of Technology in Computer Science & Engineering
CGPA: 9.5/10

2018 – 2022

Bangalore, India