

CHARITA R

iOS Development Lead | Mobile Architecture | SDK and Platform Engineering

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PROFESSIONAL SUMMARY

iOS Development Lead with 10+ years of native iOS experience spanning product engineering, mobile architecture, SDK development, and enterprise delivery. Established the iOS foundation for Maruti Suzuki India's EV charging platform, leads a two-engineer iOS team, and owns technical design, code quality, and release readiness. Combines hands-on Swift and SwiftUI depth with reusable XCFramework delivery and cross-team integration across native mobile, backend, QA, and React Native teams.

CORE TECHNICAL SKILLS

iOS Engineering: Swift, SwiftUI, Objective-C, UIKit, Combine, Core Data, Core Location, Flutter

Architecture and SDKs: MVVM, MVC, modular architecture, reusable iOS SDKs, XCFramework, Swift Package Manager, CocoaPods, public API design

Networking and Security: URLSession, REST APIs, JSON, token refresh, SSL pinning, deep links, secure payment flows

Cloud and Integrations: AWS Amplify, AWS AppSync, Adobe AEP, Firebase Crashlytics, Firebase Messaging, Google Maps, Razorpay

Engineering Leadership: architecture ownership, Technical Design Documents, work planning and estimation, code reviews, mentoring, hiring, release governance, production incident investigation

PROFESSIONAL EXPERIENCE

IBM | Development Lead | Aug 2023 - Present | India

Client: Maruti Suzuki India Limited | Product: EV charging platform

- Established the iOS engineering foundation for Maruti Suzuki India's customer-facing EV charging application, defining the initial SwiftUI and Combine architecture and building core components before the iOS team expanded.
- Lead two iOS engineers through Technical Design Documents, work allocation, delivery estimates, implementation guidance, and pull-request reviews; also contribute to technical hiring.
- Serve as the iOS release owner and final engineering checkpoint for all internal and production builds, coordinating release readiness with backend, QA, business, and client stakeholders.
- Designed the interface and integration architecture for converting the standalone application into a reusable binary iOS SDK and XCFramework for Maruti Suzuki's React Native super app.
- Defined public SDK contracts for authentication, session management, vehicle information, user details, configuration, logging, error handling, lifecycle management, and asynchronous host communication.
- Coordinated SDK integration across iOS, Android, and Capgemini's React Native team; resolved a Google Maps dependency conflict and introduced asynchronous token handling to prevent the host screen from blocking during delayed authentication.
- Modularized the standalone application while extracting reusable SDK capabilities and integrated AWS AppSync, Adobe AEP, Firebase, Google Maps, Razorpay, and secure REST services with token refresh and SSL pinning.
- Supported eight iOS releases on a two-to-three-month cadence, maintained 99.7%-99.95% crash-free users and sessions over approximately nine months, and contributed to an application rated 4.6/5 on the App Store.
- Diagnosed repeated booking and payment calls caused by rapid taps, coordinated the production fix with backend and QA, and introduced interaction safeguards alongside monitoring, analytics, logging, and release-readiness checks.

Wuerth Elektronik India Pvt. Ltd. | Senior Software Engineer / Software Engineer | 2020 - 2023 | India

- Independently delivered Flutter applications for employees and reporting managers, supporting location-based attendance and deputation workflows from technical design through release planning and stakeholder documentation.
- Designed a native iOS fitness application and coordinated parallel feature development while building PHP REST APIs that exposed core business capabilities to the mobile client.
- Rapidly adopted SwiftUI and contributed to a resource-constrained delivery team to meet the deadline for an internal employee health-access application.
- Partnered with product, HR, sales, and support stakeholders to translate operational needs into usable internal mobile products and resolve post-release issues.

Smart Commerce Solutions Pvt. Ltd. | Project Manager / Senior Software Engineer | 2017 - 2019 | India

- Led delivery of the Mission Happiness customer-feedback platform used across Aditya Birla Group businesses, covering native iOS applications and supporting web services.
- Managed customer requirements, schedules, resource planning, team guidance, and concurrent initiatives while remaining hands-on with engineering and delivery decisions.
- Built Objective-C iOS applications independently and developed Drupal and PHP REST services, including the Mission Happiness VanHeusen application.

Geoligence Technologies Pvt. Ltd. | Software Engineer | 2016 - 2017 | India

- Designed and developed the HiStreet Objective-C iOS application for location-based retail discovery and engagement using Core Location and Core Data.

CERTIFICATIONS AND DIGITAL CREDENTIALS

IBM Generative and Agentic AI Developer - 2026 | AWS Certified Cloud Practitioner - 2026

IBM Generative and Agentic AI Foundation - 2026 | IBM Bob Intermediate - 2026

EDUCATION

Sri Jayachamarajendra College of Engineering, Mysuru | M.Tech. in Software Engineering | 2012 - 2014 | CGPA 8.8

Vidya Vikas Institute of Engineering and Technology, Mysuru | B.E. in Computer Science and Engineering | 2005 - 2009 | 68.32%

SELECTED RECOGNITION

Star Employee Award - Smart Commerce Solutions, 2016-2018 | Employee of the Quarter - Smart Commerce Solutions, 2016