

Abhishek Suryavanashi

Senior iOS Engineer | WebRTC & CallKit Specialist

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Summary

Senior iOS Engineer with 7+ years building scalable, production-grade mobile applications and **10+ apps shipped to the App Store**. Specialized in real-time communication systems (WebRTC, CallKit, PushKit/VoIP) with deep expertise in iOS lifecycle handling, multi-device synchronization, and advanced audio routing across foreground, background, and terminated app states. Founder of two shipped solo products (Aurekai on iOS, Zivyaa on web) — comfortable owning the full stack from architecture and engineering through App Store distribution.

Technical Skills

Real-Time Communication: WebRTC (Audio/Video, SDP, ICE, TURN/STUN), CallKit, PushKit (VoIP), AVFoundation, AVAudioSession, Bluetooth audio routing (HFP / A2DP), multi-device call synchronization, background & terminated-state call handling

iOS Development: Swift, SwiftUI, Objective-C, UIKit, Async/Await, GCD, Combine, Core Data, Core Animation, MapKit, Push Notifications (APNs), Local Notifications, Background Tasks, Localization, Accessibility

Architecture & Quality: MVVM, VIPER, Clean Architecture, SOLID, Unit Testing, TDD, XCTest, Memory management, Instruments / performance optimization

Networking & Backend: REST APIs, GraphQL, WebSockets, real-time signaling, retry & resilience strategies, OAuth, JWT

Tools & Delivery: Xcode, App Store Connect, Swift Package Manager, CocoaPods, Fastlane, Git, Bitbucket, Jenkins, CI/CD, TestFlight, Crashlytics, Firebase, Jira, Confluence, Agile / Scrum

Experience

Smart Working — Senior iOS Developer

Jan 2025 — Apr 2026

Client: YEO Messaging (UK) — Product: YEO Messaging / YEO Business (iOS)

Remote

- Owned and delivered a production-grade WebRTC voice and video calling system used by thousands of users; improved call reliability across unstable networks and complex app lifecycle states.
- Designed and integrated **CallKit** and **PushKit (VoIP)** to deliver a seamless call experience across foreground, background, and terminated app states.
- Built robust signaling and multi-device synchronization logic to handle cold start, delayed app unlock (Face ID), and cross-device call coordination.
- Implemented advanced audio routing via **AVAudioSession** with Bluetooth, speaker, and receiver prioritization, ensuring consistent call behavior across devices.
- Hardened call reliability by handling edge cases around network interruptions, signaling delays, and lifecycle transitions; shipped multiple production App Store releases.
- App Store: apps.apple.com/in/app/yeo-business/id6738390541

Qasr Almas Information Technology Co. — Software Developer

May 2023 — Aug 2024

Project: Boxing Warrior (iOS)

Dubai, UAE

- Delivered and maintained a production iOS app, driving feature development, performance improvements, and App Store releases.
- Resolved QA and production issues, improving stability and release cycle predictability.
- Collaborated with cross-functional teams (design, backend, QA) to deliver high-quality features in an Agile environment.
- App Store: apps.apple.com/in/app/boxing-warrior/id6499583442

Capgemini India — iOS Developer Consultant

Oct 2021 — Dec 2022

Client: McDonald's — Product: McDonald's Mobile App (iOS)

Pune, India

- Delivered features for a high-traffic consumer iOS app used by hundreds of thousands of customers across North America.
- Built the “**Missed Visit**” module and enhanced the **Voice Code** and **QR Code** features — key user-facing flows in the loyalty / ordering experience.
- Owned feature development, bug fixes, unit tests, and production issue resolution; participated in cross-platform design discussions.
- Worked within **MVVM/VIPER** architectures and CI/CD pipelines, collaborating with cross-platform teams to maintain consistency across iOS and Android.
- App Store: apps.apple.com/ca/app/mcdonalds-canada/id375695000

Earlier Experience — iOS Developer

Jan 2017 — Sep 2021

Plexasys Solution Pvt. Ltd., Netnaca Pvt. Ltd., Phian Infotech Pvt. Ltd.

Nagpur, India

- Delivered **8+ production iOS applications** across utilities, travel, marketplace, food delivery, and workforce-management domains — including PDF Converter, Swiss International Hotels, World of Trade, Satellite Magazine, Slimparts, Alwijjha, and WashMyClothes.
- Built features such as location tracking, QR-based check-ins, role-based access, payment-gateway integration, In-App Purchases, push notifications, and Google Places autocomplete across multiple consumer apps.
- Implemented full English/Arabic localization for consumer apps targeting Saudi Arabia and the wider MENA region; shipped multiple App Store releases end-to-end.

Independent Products (Founder & Sole Engineer)

Aurekai — Founder & iOS Engineer

Live on App Store

AI-powered cinematic storytelling app on iOS — aurekai.app

- Designed, built, and shipped a solo iOS product: “You speak, the world responds — voiced, animated, and scored by a film-grade engine.”
- Built with **Swift, SwiftUI, Async/Await**, integrating LLM APIs with **streaming responses, prompt caching, and tiered model routing** for sub-second latency and cost optimization.
- Authored three original narrative universes (Dark Myth, Sands of the Forgotten, Tides of the Broken Compass) with scene-aware prompting and integrated voice synthesis.
- Owned the full product lifecycle end-to-end: architecture, UX, App Store submission, analytics, and post-launch iteration.

Zivyaa — Founder & Full-Stack Engineer

Live on the web

AI-native Vedic astrology platform on the web — zivyaa.app

- Designed and built a free, no-signup web product that runs ephemeris computation on-device with real Vedic interpretations layered via LLMs.
- Stack: **Next.js, React, TypeScript, Tailwind CSS**, Astronomia (**VSOP87** ephemeris), LLM APIs, on-device compute for privacy.
- Shipped eight integrated tools: birth chart, Panchang, numerology, compatibility, Dasha systems, yogas / doshas, with multi-language support and offline capability.
- Demonstrates ability to ship beyond iOS: full-stack web, modern TypeScript/React, and astronomy-grade numerical computation.

Additional App Store Releases: Three more iOS apps shipped under the same developer account — see full App Store profile.

Education

Centre for Development of Advanced Computing (C-DAC)

2016

Post Graduation Diploma — Networking & Cyber Security

Hyderabad, India

Rashtrasant Tukdoji Maharaj Nagpur University

2015

Bachelor of Engineering — Computer Science

Nagpur, India