

Amit Kumar Palo

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Lead Mobile & Full-Stack Engineer with **11+ years of experience** delivering scalable, high-performance applications across **iOS, Backend, and Cross-Platform architectures** in **IoT, Banking, Healthcare, Media, and E-Commerce** domains. Expert in **Swift, Objective-C**, and modern mobile technologies, with hands-on experience designing **RESTful APIs using Node.js** and building end-to-end scalable systems. Proven track record in **system architecture, performance optimization, and large-scale application development**. Currently leading a team of **6 engineers** at **Jio Platforms Limited**, driving technical excellence, improving system reliability, and delivering high-impact features. Built **AI-driven solutions**, including a **product recommendation agent powered by LLMs (ChatGPT)**, enabling intelligent personalization and improved user engagement. Recognized for leadership and innovation, with strong expertise in **Agile practices, CI/CD pipelines**, and cross-functional collaboration.

Work History

Lead Software Engineer, Jio Platforms Limited – Bangalore, Karnataka, India June 2022 – Till Date

- Architected and led the end-to-end development of scalable mobile and backend systems, building the **Smart Mirror Enterprise** app from scratch and contributing to the **Tira Beauty** app (App Store).
- Designed and implemented **scalable RESTful APIs using Node.js**, defining robust **API contracts, schemas**, and applying **SOLID principles** and **design patterns (MVVM, Dependency Injection, Factory)** to ensure modular and maintainable architecture.
- Led development of high-impact features including **Referrals, Virtual Try-On, Checkout Revamp, Payments, Offline Orders, Missing Items, and Skin Analyzer**, ensuring performance, scalability, and seamless user experience.
- Improved application performance through **profiling and memory optimization using Instruments (Time Profiler, Allocations, Leaks)**, reducing **cart load time from 9s to 3s** and optimizing app startup time by **18%**.
- Established end-to-end **observability and experimentation frameworks using Firebase (Crashlytics, Analytics), Sentry, and Amplitude**, enabling real-time logging, crash reporting, user behavior tracking, and **A/B testing** for data-driven decision making.
- Drove **cross-platform strategy using React Native (Metro)**, improving development velocity and maintainability.
- Collaborated cross-functionally in Agile teams to influence **system design, technical decisions, and delivery strategy**, ensuring high-quality and timely releases.
- Leveraged modern AI-assisted development tools (**Cursor, Claude, ChatGPT, GitHub Copilot**) to enhance productivity, code quality, and development efficiency.
- Improved critical user journeys such as checkout, contributing to App Store rating growth from **3.7 to 4.0**.
- Recognized with **“Comeback Kid”** and **“On The Spot”** awards for outstanding leadership and impact.

Specialist Software Engineer, Allegion India Private Ltd. – Bangalore, Karnataka, India Sep 2021 – June 2022

- Working as an specialist software engineer on an IoT application.
- Responsible for developing as SDK which will be consumed by client & stake holders to operate the IoT locks using BLE and Azure Cloud.
- Participate in daily SCRUM, retrospective, story refinements, sync-up with firmware and backend team, peer code review, analysis and provide inputs for the applications.

Senior Software Engineer, Globant India Private Ltd. – Pune, Maharashtra, India Feb 2018 – Sep 2021

- Developed and enhanced **Openbank Banca Móvil** (Spain) and **Openbank U.S.** banking apps, improving mobile banking experiences across LATAM and Europe.
 - Openbank Banca Móvil (Spain)

- Openbank U.S.
- Built an **IoT application** using Xamarin.Forms for BLE sensors to monitor industrial parameters.
- Developed an IoT app for a German client to control home appliances such as lights, switches, and sensors.
 - Lightify IoT App
- Created an **AR application for healthcare** using ARKit, enhancing patient interaction.
- Designed reusable frameworks and libraries using **Carthage** and **Swift Package Manager** to accelerate development.
- Integrated third-party libraries like **Moya**, **Alamofire**, and **Realm** for robust networking and database management.
- Worked on media apps for Hong Kong and US Disneylands, supporting user engagement and entertainment features:
 - Hong Kong Disneyland
 - Disneyland US

Software Engineer, Tata Consultancy Services – Pune, Maharashtra, India

June 2014 – Feb 2018

- Developed multiple healthcare and support apps for **Pfizer**, including:
 - LivingWith™: Cancer Support
 - IG Companion
 - HemMobile
- Built a 2D gaming app using **SpriteKit** and contributed to apps supporting addiction recovery and cancer care with localization support for various regions.
- Integrated third-party frameworks such as **Google Analytics**, **Alamofire**, **Urban Airship**, and **Google Maps** to enhance functionality.
- Worked closely with business teams on design, planning, estimation, and handled full lifecycle development, including bug fixing and CRs.

Skills

Agile, Solid Principles, Dependency Injection, CI/CD, Jenkins, Bitrise, Swiftlint, CocoaPods, SPM, Carthage, REST, XML, Memory Management, Auto Layout, GraphQL, Jazzy documentation, SonarQube

Coding Language

Proficient: Swift, Objective-C

Familiar: React, React Native, Dart, Python, Kotlin, NodeJS, Java, Shell Script, Apple Script, C#, C, C++, Django

Frameworks

Cocoa Touch, CoreData, Realm, XCTest, Foundation, UIKit, MapKit, HealthKit, Core Location, Core Animation, SpriteKit, ARKit, PromiseKit, Alamofire, Moya, Bluetooth (BLE), PerfectCorp, Segment, MoEngage, Facebook Analytics, AppsFlyer

Personal Links

Github: github.com/paloamit

Stack Overflow: stackoverflow.com/users/8736132/a-palo

Medium: palo-amit.medium.com

Education

Institute of Technical Education & Research, SOA University, B.Tech in ECE

June 2010 – May 2014

- CGPA: 9.48/10.0