

Titto Jose

Senior Android Engineer | 10+ Years | Mobile Architecture & Real-Time Systems

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SUMMARY

Senior Android engineer with 10+ years building large-scale, real-time consumer mobile platforms — including Careem Captain (5M+ downloads) and GoJek Driver (10M+ downloads). Authors RFCs that set technical direction across Android and backend teams — covering real-time state machines, offline data handling, and reusable architectures adopted across product lines — and leads cross-functional teams from design through delivery. Delivered measurable business impact: a 50%+ market share increase via a real-time ride-bidding system, and a 2x order-rate gain via a reusable high-density-location delivery architecture. Track record of mentoring engineers and raising team-wide engineering standards (CI stability, test coverage), with deep expertise in Kotlin, Jetpack Compose, KMP, and Android architecture (MVVM/MVP).

SKILLS

- **Languages & UI:** Kotlin, Java, Jetpack Compose, Kotlin Multiplatform (KMP)
- **Architecture & Leadership:** MVVM, MVP, system/feature architecture design, RFC & technical design authorship, cross-team technical planning, mentoring & onboarding, code review
- **Async & Data:** Coroutines, Flow, RxJava, LiveData, Room DB, SQLite
- **Testing & Quality:** JUnit, Espresso, MockK, Mockito, UI testing
- **Tooling & Infra:** CI/CD, Git, Gradle, Firebase, Analytics

EXPERIENCE

Senior Software Engineer 2 — Careem

Dubai, UAE | 06/2022 – Present

Core engineer on the Careem Captain app (100K+ active drivers, 5M+ downloads).

- Led Shift & Zone and Shift Selection end-to-end, authoring both RFCs — including the ShiftZone transition state machine, offline/local handling of driver shift schedules, and the supporting API design — and directing a cross-functional team of 3-4 Android and 3 backend engineers from design through delivery, driving these features to an all-time record of 1.2 orders/day per driver.
- Led the RFC and a team of 2 for High-Density Location (HDL) delivery, adapting the airport-style FIFO pickup-queue pattern from ride-hailing to grocery and food — driving a 2x increase in orders/hour for HDL captains and helping the platform meet the market's 15-minute delivery SLA.
- Designed the HDL architecture for reusability and modularity, enabling HDL Grocery to be extended to HDL Food (used by high-frequency merchants like McDonald's) with minimal design changes, improving delivery speed for high-order-frequency merchants.
- Architected and built a bidirectional, real-time ride-bidding system for live ride requests across multiple markets — drove a 50%+ increase in Careem's market share in Damietta, Alexandria, and other cities, one of the highest-impact technical initiatives on the Captain app.
- Owned a cluster of supply-availability features (Service Area boundaries, Auto City change detector, Destination Filters), lifting total available driver hours by 25% and shaping the team's supply-side roadmap.
- Designed the Multi-Car Type-Peaks feature, surfacing real-time demand peaks across vehicle categories to improve booking conversion and rider experience.

Senior Software Engineer (SDE-4) — GoJek

Bengaluru, India | 06/2019 – 06/2022

Core engineer on the GoJek Driver app (1M+ active users, 10M+ downloads).

- Led the RFC and API design for a Driver Tiering/Recognition system that ranked drivers into performance tiers based on the prior week's performance, with higher tiers unlocking better incentives — directly improving driver efficiency across the fleet.

- Led the RFC for an online Learning Management System (LMS), built to replace an offline-only training model that became impractical during COVID — evaluated streaming providers on features, performance, and cost, integrated native ExoPlayer for video/audio playback, and implemented in-app quizzes and evaluations.
- Drove CI pipeline failure rate from 32% to 1%, removing a major team-wide productivity bottleneck.
- Led refactoring efforts that raised test coverage from 75% to 85%+, improving long-term feature velocity and reliability.
- Owned technical onboarding, feature estimation, and task breakdown for complex initiatives — regular first point of contact for new engineers joining the team.

Senior Software Engineer — Quikr

Bengaluru, India | 08/2018 – 06/2019

- Designed and shipped Quikr Easy Plus features as standalone AAR libraries, enabling quick integration into the main Quikr app without tight coupling.
- Built the Quikr Easy Plus Vendor App using MVVM architecture and Jetpack components.
- Maintained the AtHomeDive and QuikrEasy apps.

Software Engineer — Onmobile

Bengaluru, India | 11/2015 – 08/2018

- Led refactoring of the existing codebase to MVP architecture, improving testability and feature delivery speed.
- Built a baseline-project architecture enabling a single codebase to power releases across 5+ telco operators (Vodafone India, BSNL, Vodafone Spain, TIM Italy, Du).
- Improved app stability, raising crash-free sessions from 89% to 95%.
- Drove the Play Store rating for Vodafone Caller Tunes from 3.9 to 4.3 stars across 10M+ downloads and 100K+ ratings.
- Part of a team that won a company-wide Hackathon and earned “Pat on the Back” recognition for outstanding performance.

Software Engineer — Cognizant

Coimbatore, India | 04/2014 – 10/2015

- Led ideation and built the mobile version of DART, an internal project-management tool.
- Contributed to the DART web app.
- Hosted a “Getting Started with Android” session for the team, helping teammates ramp up on Android development.
- Awarded Innovator of the Quarter.

EDUCATION

Bachelor of Technology, Computer Science — Cochin University of Science & Technology

Cochin, India | 2009 – 2013

PROJECTS

- **Android Time Range Picker** (open-source library) — Plug-and-play UI components for selecting time ranges. Published on GitHub and JCenter (com.github.tittojose:timerangepicker-library). 400+ GitHub stars.