

Mahesh Ambekar

With 10 years of experience in Android development, specializing in Kotlin, Java, and Clean Architecture, dedicated to delivering high-performance, scalable, and user-friendly apps. Experienced in leading teams, mentoring junior developers, and consistently focused on optimizing app performance and solving complex technical challenges to enhance overall user experiences.

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EXPERIENCE

Reliance Jio, Mumbai— *Tech Lead - Android Development*

Mar 2020 - Present

Led a software development team, providing mentorship and applying Agile methodology to ensure successful, timely project delivery and promote innovation.

Developed robust mobile applications using Android and Java technologies, focusing on performance and user experience.

Conducted code reviews to maintain code quality, improve development standards, and ensure alignment with best practices.

Migrated legacy Java applications to Kotlin and implemented Clean Architecture principles, ensuring compatibility with the latest Android releases and improving maintainability.

Xtreme Media, Mumbai— *Senior Android Developer*

Sept 2015 - Dec 2019

Developed Android applications, focusing on UI design, core features, and integrating third-party SDKs to ensure smooth functionality.

Improved existing software by enhancing UI standards, optimizing performance, and resolving client issues quickly.

Mentored junior developers, providing guidance and support for their professional growth and enhancing their skills.

SKILLS

Android
Kotlin
Java
MVVM
Clean Architecture
Reactive Programming
SQLite & Data Persistence
Jetpack Components
Jetpack Compose
Profiling & Debugging
CI/CD
Agile methodology
Mentorship

PROJECTS

JioAICloud (10M+ downloads)

- Engineered an Android application that seamlessly organized and streamed cloud-based content, leveraging efficient data handling and media playback APIs to deliver a smooth user experience.
- Designed Events module for real-time photo capture, upload, and sharing at events.
- QR code-based registration for easy access to event galleries.
- AI-powered face clustering to automatically organize and group photos by individuals.
- Users can easily create custom events within the app, invite participants, and share event details.

JioPhotos-STB (7M+ downloads)

- JioPhotos app is DLNA-based Android app for seamless media streaming, device discovery, and playback across compatible devices.
- It aggregates photos and videos from various sources: HDD connected to the device, JioCloud, Google Photos, Facebook and Instagram.
- It provides a clean and elegant way to display all the Photo, carousel album and video posts in one place and create memories.
- It also allows users to go Live on Facebook and Youtube using a USB camera.

JioHome (5M+ downloads)

- Developed an app that automatically organizes photos and videos by days, months, and years, enhancing user experience with easy media access.
- Integrated AI-based face clustering, grouping photos by detected faces to allow users to quickly locate and view specific memories.
- Enabled seamless media viewing across devices, allowing users to switch effortlessly between their smartphone and Jio Set-top Box.

Indoor Navigation Application (B2B app)

- It is based on BLE (Bluetooth low energy) technology, used to navigate users to a desired location like Google Maps.
- Analyze and show the shortest path from the current location to the destination location, detecting the current location of the user using Beacon devices.
- It uses a trilateration algorithm and Kalman filter algorithm to get the user's current location.

Content Management System (B2B app)

- Designed and developed a CMS Android app for managing digital content efficiently.
- Implemented video streaming support using RTP, RTSP and HTTP protocols for seamless media playback.
- Integrated user authentication, role-based access control, and real-time content synchronization.
- Optimized data storage and media handling for improved performance and scalability.

EDUCATION

Post-Graduation - Diploma in Advanced Computing
Centre for Development of Advanced Computing, Mumbai
Feb 2015 - Aug 2015

Bachelor in Electronics Engineering
K. C. College of Engineering, Mumbai,
June 2010 - June 2014

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