

TANAY MONDAL


Senior Android Engineer

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SUMMARY

Senior Android Engineer with **10 years** of experience building large-scale, high-performance mobile applications for global products like **Meta AI** and **PayPal**. Specialized in Android architecture, Jetpack Compose, Wearables, and power optimization. Proven track record of improving app reliability, test coverage, and user engagement in security-critical and high-traffic applications.

EXPERIENCE




Senior Software Engineer

Tech Mahindra Limited

📅 01/2025 - Present 📍 Hyderabad, India (Onsite)

Client: **Meta**

- **Meta AI App**: Delivered new features for Meta AI wearable companion app, improving device usability and feature adoption.
- Developed a **custom system clock application** for wearable devices.
- Implemented **automated power consumption testing** using the Gauntlet framework to analyze and optimize wearable device power usage.




Senior Engineer

Altimetrik India Pvt. Ltd.

📅 06/2021 - 12/2024 📍 Bengaluru, India (Onsite)

Client: **PayPal**

- Implemented the **PayPal Everywhere** feature, driving greater adoption of PayPal debit and credit cards.
- Implemented the **Account Setup Zone** feature, significantly enhancing user profile completeness.
- Collaborated with the **QRC Team** to improve the QR code scanning experience and strengthen security through biometric authentication.




Senior Android Developer

YuviTime XS Pte. Ltd. (YuWee)

📅 02/2019 - 05/2021 📍 Singapore (Remote)

A communication technology company specializing in **WebRTC** solutions.

- Developed YuWee android app, an **email-integrated WebRTC** communication platform with advanced messaging capabilities.
- Created the YuWee **Android Library** and **iOS Framework** for development teams.
- Developed and implemented **P2P, Intel OWT, Group (MCU)** calling solutions.




Senior Android Developer

Digital Aptech Pvt. Ltd.

📅 07/2016 - 01/2019 📍 Kolkata, India (Onsite)

A technology company providing software solutions.

- Worked on State Government project for **Kolkata Police**.
- Designed and developed applications for hotel booking, cab booking, and chat functionality.



Software Developer - Android

Mindpace Software Technologies Pvt. Ltd.

📅 11/2015 - 06/2016 📍 Kolkata, India (Onsite)

A software development firm focusing on mobile applications.

- Designed and built applications focused on social and sports functionalities.

EDUCATION

B.Sc. in Computer Science Honors

University of Calcutta

📅 06/2011 - 04/2015 📍 Kolkata, India

SKILLS

Core Android

Kotlin

Jetpack Compose

MVVM/MVI

Android Jetpack

Clean Architecture

Async & Data

Coroutines

Flow

LiveData

Room

Testing & CI

Espresso

Unit Testing

CI/CD

Functional Testing

Robolectric

Advanced

Wearables

Power Optimization

WebRTC

KMP

GraphQL

WebSockets

Tools

Git

Jira

Firebase

Figma


ARCHITECTURE & ENGINEERING PRACTICES

 MVVM, MVI, Clean Architecture, Modularization


 SOLID principles and design patterns


 Test-driven development and CI/CD pipelines


 Code reviews and technical mentorship


 Performance, memory, and battery optimization


IMPACT & LEADERSHIP

 Led development of wearable-focused Android features for Meta AI companion app, focusing on usability and performance.

 Improved automated test coverage and reliability for PayPal mobile modules, significantly reducing regression issues in production.

 Designed and maintained modular Android architectures using MVVM/MVI and Clean Architecture across multiple large-scale apps.

 Collaborated closely with Product, QA, and Backend teams to deliver secure, high-traffic features in fintech and AI-driven applications.

 Contributed to architecture discussions and long-term maintainability decisions.