TANAY MONDAL

Senior Android Developer

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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`
`DataStore`

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.