

# ROHAN GUPTA

Senior Software Engineer – Mobile Platforms

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## SKILLS

**Languages:** Kotlin, Java, Go, TypeScript, C++  
**Mobile:** Android (Compose, Coroutines, MVVM, JNI), Flutter, React Native, Expo  
**Backend & Infra:** gRPC, Protobuf, Ktor, Go, Redis, Firebase  
**Media & Realtime:** WebRTC, OpenCV, Mediasoup  
**AI/ML:** TensorFlow, Vertex AI, LangGraph

## WORK EXPERIENCE

07/2024 – Present **Member of Technical Staff (Mobile SDK Lead)** **DevRev.ai**

- Led a team of 10 engineers for development of cross-platform DevRev SDKs (Android, iOS, React Native, Expo) supporting **30M+ MAU**, enabling session replays and AI-powered support chatbots.
- Co-built a session ingestion pipeline reducing ingestion costs by **90%**.
- Designed and implemented **end-to-end encryption** (asymmetric key exchange + symmetric payload encryption) for session data at rest and in transit.
- Designed automated testing strategies, reducing production regressions by **60%**.
- Resolved critical client issues, directly contributing to **\$10M+ in closed deals**.

06/2022 – 07/2024 **Senior Software Engineer** **Epifi (Fi Money)**

- Improved in-app QR scan speed by **400%** (2s → 500ms), boosting user experience.
- Delivered key UPI features (**TPAP, Lite, Global, Mapper**) for an app with **280K+ daily active users**.
- Streamlined QA by segregating simulation/non-simulation code via **source sets**, preventing ProGuard issues pre-release.
- Built backend RPCs for UPI Mapper and migrated feature flags from Firebase to **Go + gRPC** services.

07/2021 – 06/2022 **Software Engineer Intern** **Huddle01**

- Integrated **Web3** wallets (Ethers.js, WalletConnect) into React app for token-gated meetings.
- Developed analytics pipeline from meetings data to **Postgres DB** using Node.js + TypeScript.
- Implemented **Virtual Backgrounds** using Mediapipe in a real-time video conferencing app.
- Developed a high performance video-conferencing Android SDK using **Mediasoup** and **JNI**.

## PROJECTS & RESEARCH

Hackathon **FinTwin – Personal AI Financial Companion** **Project PDF**

- Built **FinTwin**, an AI financial companion with mood engine, lifestyle simulations, gamified goals, and regret prediction using Gemini & Vertex AI.
- Architected full-stack solution with Node.js, React, BigQuery, Firebase, Redis, and GCP.

MTech Thesis **City-Wide Cascaded Vehicle Path Prediction and Temporal Estimation** **Digital Thesis**

- Built a deep learning + computer vision system to re-identify vehicles across CCTV feeds.
- Achieved **4.81s** MAD in temporal estimation; **69.6%** geo-position accuracy.

Hackathon **DiseaseX – Outbreak Reporting and Identification System** **GitHub Link**

- Led 6-member team to **Smart India Hackathon National Finals**; designed system handling **100+** geofences.
- Planned architecture spanning web, mobile, and ML components.

## EDUCATION

2017 – 2022 **BTech-MTech Dual Degree in Computer Science & Engineering** **CGPA: 8.12/10**  
The LNM Institute of Information Technology