

Crowdsourcing: Transforming Telecom Network Intelligence



Real-time network insights.
Smarter decisions.
Better experiences.



Overview

Industry: Telecommunications
Client: Crowdsourcing
Application: Telemetry App

Introduction

Crowdsourcing partnered with AAPNA Infotech to build a cross-platform mobile application powered by Telemetry App, enabling secure, real-time network intelligence for telecom operators.

Challenge

The client approached Gautam Pattani – The Strategic Navigator with a critical challenge. Their existing solution was unable to efficiently handle the rapidly growing volume of real-time network data generated across Android and iOS devices, limiting the visibility telecom operators needed for proactive network optimization and data-driven decision-making.



Gautam's Approach

After assessing the client's requirements, Gautam proposed

- ✓ Designed a Secure, Scalable Architecture
- ✓ Enabled Real-Time Network Intelligence
- ✓ Integrated Intelligent Testing & Backend Sync
- ✓ Optimized for High Performance & Battery Efficiency
- ✓ Delivered Continuous Analytics & Actionable Insights

Execution

Delivered a cross-platform Telemetry App with intelligent network testing, secure backend integration, and continuous performance analytics.

Outcome

- Real-Time Network Visibility
- Secure Crowdsourced Analytics
- Continuous Performance Monitoring

Impact

- Smarter Network Optimization
- Enhanced Customer Experience
- Data-Driven Telecom Decisions

Yashpal's Approach

Yashpal Rathod – Connectivity Maestro (Android) collaborated with Gautam Pattani to

- ✓ Engineered a High-Performance Cross-Platform SDK
- ✓ Integrated Intelligent Network Testing & Device Intelligence
- ✓ Enabled Location-Aware Tracking & Secure Backend Sync
- ✓ Optimized for Battery Efficiency & Scalability
- ✓ Delivered Continuous Analytics & Reliable Data Collection



Execution

Delivered a high-performance cross-platform SDK enabling real-time network testing, continuous monitoring, and secure analytics.

Outcome

- Robust Cross-Platform SDK
- Real-Time Network Intelligence & Continuous Monitoring
- Secure, Battery-Efficient Analytics

Impact

- Actionable Network Insights
- Smarter Network Optimization
- Enhanced Customer Quality of Experience (QoE)

"AAPNA combined strategic mobile expertise with high-performance engineering to deliver a secure, scalable network intelligence platform that empowers telecom operators with real-time insights and smarter network optimization."



Technology Used



Conclusion

AAPNA Infotech delivered a scalable crowdsourced mobile network intelligence platform that enables telecom operators to monitor network performance, optimize coverage, and enhance customer experience through secure, real-time analytics.

Client Testimonial

"Yashpal has been a dependable member of our Android development team and has consistently delivered with professionalism. His key contributions include major application updates, SDK integration support, and the successful implementation of the Video Test feature. We appreciate his commitment and valuable contributions to the ongoing success of our application."

— Ashish, Crowdsourcing Team