

MALAYA KUMAR RAY

Flutter Developer | Android, iOS, Web | AI-Assisted Development

Bengaluru, Karnataka, India | +91 7504182404

malaya.ray.1998@gmail.com | linkedin.com/in/malaya-kumar-ray-140705182

PROFESSIONAL SUMMARY

Flutter developer with 4+ years building production cross-platform applications for Android, iOS, and Web across FinTech, Social Media, IoT, and Document Security. Shipped 10+ apps for global clients including Yamaha Corporation and PolicyBazaar. Strong in Dart, scalable architecture, offline-first sync, and real-time data over REST, GraphQL, MQTT, WebSocket, and BLE. Build on Firebase and Supabase, and use AI agentic tools and prompt engineering daily to ship features faster while owning architecture and code quality.

TECHNICAL SKILLS

Languages: Dart, SQL

Frameworks: Flutter (Android, iOS, Web)

Architecture and State: BLoC, Provider, GetX, MVVM, MVC, Clean Architecture, repository pattern, offline-first

Backend and Database: Supabase (PostgreSQL, Auth, Row Level Security, Realtime, schema design), Firebase (Firestore, Auth, Cloud Messaging), Hive, SharedPreferences

APIs and Protocols: REST, GraphQL, MQTT, WebSocket, Bluetooth Low Energy (BLE, GATT)

AI-Assisted Development: Cursor, LLM coding agents, prompt engineering, agentic task planning, AI-driven refactoring and test generation

Integrations: Firebase Authentication, AWS Authentication, Push Notifications (FCM), Google Maps, In-App Purchases, Deep Linking

Testing and Delivery: Unit, widget, and integration testing; Google Play Store and Apple App Store deployment

Tools: Git, GitHub, Postman, Figma, Jira, Android Studio, Xcode, VS Code, Agile, Scrum

PROFESSIONAL EXPERIENCE

Pace Wisdom Solutions Pvt. Ltd., Bengaluru, India

Software Engineer (L1) | Oct 2023 - Aug 2026

- Built and maintained production Flutter apps for Android, iOS, and Web for enterprise and international clients.
- Designed scalable architecture and optimised render performance, app startup time, and memory usage.
- Integrated REST, GraphQL, MQTT, and WebSocket services for real-time and offline-capable features.
- Integrated Firebase Firestore, Authentication, and Cloud Messaging with local caching for offline use.
- Applied AI agentic workflows and prompt engineering to plan features, refactor legacy code, and generate tests, cutting feature turnaround time.
- Collaborated with product, design, and QA in Agile sprints, ran code reviews, and mentored junior developers.

Key projects:

- Yamaha Corporation: Audio amplifier control app with real-time BLE and MQTT control, fully offline capable.
- Appreciate (FinTech): U.S. stock market app with real-time market data, interactive charts, and performance tuning.
- FamilyGrid: Social networking ecosystem across mobile and Web platforms.
- UNHU: Membership-based worker platform built in collaboration with PolicyBazaar.

Mobil80 Solutions & Services Pvt. Ltd., Bengaluru, India

Software Developer | Apr 2022 - Oct 2023

- Developed 4+ Flutter apps for Android and iOS from requirement gathering through store release.
- Integrated REST APIs, Firebase Authentication, Firestore, push notifications, and offline caching.
- Improved performance and reduced crash rate through profiling, widget rebuild optimisation, and state refactors.
- Worked directly with clients and QA to reproduce, prioritise, and resolve production defects.

Key projects:

- Suresign (secure document signing), Reach (professional networking), Raydeo (content distribution), and Bug Tracker (cross-platform issue tracking).

ADDITIONAL TECHNICAL EXPERIENCE

AI-Assisted Development and Prompt Engineering

Applied across client and personal projects:

- Ship Flutter features daily with Cursor and LLM coding agents, from breakdown to implementation and tests.
- Write specification-style prompts and per-project AI rule files so generated Dart matches existing architecture.
- Split large features into agent-sized tasks, then review and refactor every generated change before merge.
- Automate repetitive layers: API models and serialization, repositories, services, and state management wiring.
- Generate widget and unit tests with AI, then verify coverage and edge cases manually.
- Cut debugging time by feeding stack traces, logs, and failing tests to the agent to isolate root cause.
- Own architecture, security, and performance decisions; AI output is a draft, not a deliverable.

Personal and side projects:

- Integrate Supabase as backend for personal and side projects: PostgreSQL schema and SQL design, email OTP authentication, Row Level Security policies, and offline-first sync.
- Build offline-first Flutter apps with Hive persistence and pending-change queues that sync once connectivity returns.

EDUCATION

B.Tech, Mechanical Engineering | 2015 - 2019

Trident Academy of Technology, Bhubaneswar, Odisha

Higher Secondary Certificate, Science | 2013 - 2015

Gayatri +2 Science College, Bhubaneswar, Odisha

ADDITIONAL INFORMATION

Internship: Data Science Intern, Divine AI Pvt. Ltd.

Languages: English, Hindi, Odia