

Harsh Abhay Mehta

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PROFESSIONAL SUMMARY

Flutter Developer with **2+ years of commercial experience** building, testing, deploying, and maintaining cross-platform mobile applications using Flutter and Dart. Experienced in translating UI mockups and software specifications into **clean, scalable Flutter** components using **solid state management, app architecture**, and Flutter best practices. Strong collaboration skills with **backend developers**, product teams, and designers to deliver **high-performance**, consumer-facing applications. Hands-on experience with **Firebase, Google Cloud Platform, REST APIs, Git, CI/CD** workflows, code reviews, QA, and **release management**, along with practical exposure to Android and iOS platforms. Holds a B.Tech in Information Technology and is recognized for being proactive, consultative, and effective in fast-paced, distributed team environments.

EXPERIENCE

Founding Engineer (Funded Early-Stage Startup)

Jungle Pte Ltd

Nov 2024 – Sept 2025, Singapore - Remote

- Founding Engineer in Jungle Pte, contributing to the **0→1 development** of cross-platform products by owning Flutter, web, and backend systems end to end. Website : <https://www.jungle.baby/>
- Designed and delivered 10+ production features using Flutter and Dart, leveraging **Riverpod for state management**, clean architecture principles, and **reusable widget systems** to improve UI consistency and **reduce rebuild overhead by ~30%**.
- Implemented scalable Flutter app architecture (feature-first / layered approach), including state management, **dependency injection**, navigation, and theming, ensuring long-term maintainability and testability.
- Built and **optimized responsive frontend** applications using **Next.js**, supporting 3–5x traffic growth while maintaining performance and accessibility standards. Achieved **10,000 website visits per month**.
- Developed and integrated **RESTful APIs using Node.js and Express**, connecting **Supabase (PostgreSQL)**, **Firebase (NoSQL)**, and authentication services, handling thousands of daily requests with secure access control.
- Collaborated closely with founders, **UI/UX designers**, and product stakeholders to convert Figma designs and business requirements into high-quality Flutter UI components with smooth animations and platform consistency.
- Contributed to **Search Engine implementation using Algolia**, testing, bug fixing, performance optimization, and release stability, reducing post-release issues and improving overall app reliability.

Software Development Engineer

Loocafe – Ixora Group of Companies

July 2023 – Present, Hyderabad - Hybrid

- Led the end-to-end development of a **5-in-1 Flutter mobile application**, owning architecture, UI development, **state management**, testing, **deployment**, and production releases using Flutter and Dart. Link : <https://play.google.com/store/apps/details?id=com.loocafe.toiletfinder>
- Designed and implemented scalable Flutter app architecture using Riverpod for state management, modular feature-based structure, dependency injection, and reusable widget systems, improving maintainability and **reducing feature delivery time by ~35%**.
- Delivered **20+ production-ready Flutter features**, translating Figma UI designs and business requirements into smooth, high-performance user experiences across Android devices. https://play.google.com/store/apps/details?id=com.ixoragroup.feedbackapp&hl=en_IN&pli=1
- Successfully delivered **2 production-grade** mobile applications, including an official **GHMC (Greater Hyderabad Municipal Corporation)** service app, meeting government-level reliability, performance, and compliance requirements.
- Built automation-driven workflows within the **Flutter application that save ~100 man-hours per week**, significantly reducing manual operational effort for on-ground users. Managed Flutter build flavors, versioning, **CI/CD participation**, Play Store releases, and hotfix deployments, ensuring stable and **reliable production builds**.
- Integrated Firebase services including Authentication, **Firestore**, **Cloud Functions**, and **Push Notifications**, enabling real-time data sync, background processing, and event-driven workflows.
- Implemented performance optimizations such as widget rebuild control, async data handling, and efficient state updates, improving app responsiveness, **reducing UI latency by ~30%** and handling bug fixes, QA feedback, and production issues with fast turnaround times.

Software Development Intern – Flutter

Wrench Technologies Pvt Ltd – USA

February 2023 – July 2023, Bengaluru - Onsite

- Developed and optimized complex Flutter UI components, collaborating with product, design, and QA teams to deliver stable, production-quality features. Link : <https://apps.apple.com/us/app/wrench-mobile-car-mechanics/id1138373180>
- Implemented dynamic, reusable tooltip systems across multiple app modules, improving widget traceability, UI clarity, and QA testing efficiency within **Maestro Studio**.
- Built a secure **AWS Cognito authentication** utility implementing **OAuth 2.0 flows** and **JWT-based authentication**, generating and managing ID tokens, access tokens, and refresh tokens to support internal tooling and testing workflows.

PROJECTS

Sequester Green Brigade — Flutter Mobile Application

Council on Energy, Environment and Water (CEEW) and Sequester Environmental Services

- Developed a cross-platform Flutter mobile application for an associate of **Council on Energy, Environment and Water (CEEW)** and Sequester Environmental Services, enabling citizens to report unhygienic neighborhoods and waste hotspots in real time.
- Implemented core Flutter features including **image capture and upload**, **location tagging using device GPS**, and **structured data submission** to route complaints for same-day cleaning operations.
- Designed user workflows to **dispatch “Green Ambulance” cleanup teams**, improving response coordination and enabling faster resolution of garbage and debris complaints.
- Integrated secure media handling, form validation, and asynchronous API communication, ensuring reliable uploads and smooth user experience across Android devices.
- **Focused on performance, usability, and reliability**, delivering a stable Flutter application suitable for real-world civic and environmental operations.
- **Skills** : Flutter , Riverpod , Rest APIs , Firebase Cloud Firestore , Firebase Storage , Google Cloud Platform .

Jewellery Inventory Management System — Flutter Application

Sohan Enterprises (Mumbai)

- Designed and developed a **Flutter-based internal inventory management application for jewellery shops**, streamlining sales, purchases, servicing, and polishing workflows with end-to-end digital tracking.
- Implemented features to **record and compare jewellery weights before and after services**, improving transparency, auditability, and operational accuracy for high-value assets.
- **Integrated AI-powered image analysis to assist with jewellery identification**, condition tracking, and **visual verification**, enhancing reliability in inventory records.
- Built comprehensive jewellery lifecycle management including **item registration**, servicing status, transaction history, and reporting dashboards.
- Delivered a production-ready Flutter solution and successfully **handed over the system to Sohan Enterprises (Mumbai)** for real-world operational use.
- **Skills** : Flutter , Riverpod , Rest APIs , Firebase Cloud Firestore , Firebase Storage , Google Cloud Platform .

EDUCATION

Bachelor of Engineering/ B.Tech – CS / IT

SVIT – Gujarat Technical University – Ahmedabad · CGPA: 8.74 · 2023

SKILLS

- **Mobile & App Development**: Flutter, Dart, Android, iOS, Riverpod, Provider, State Management, Clean Architecture, Modular Architecture, Reusable Widgets, Performance Optimization.
- **Backend & Cloud**: Firebase (Authentication, Firestore, Cloud Functions, Cloud Messaging), Supabase (PostgreSQL), REST APIs, Google Cloud Platform, AWS Cognito (OAuth 2.0, JWT, ID/Access/Refresh Tokens)
- **DevOps & Engineering Practices**: Git, GitHub, CI/CD Pipelines, Release Management (Play Store), Debugging, Bug Fixing, QA Collaboration, Production Support
- **Front End**: HTML, CSS, Bootstrap, React.js, Next.js, Webflow
- **Design**: Figma, Adobe Photoshop, Illustrator, Sketch
- **Leadership**: Product Development, Technical Ownership, Communication, Cross-functional Collaboration, Partnerships, Mentorship, Startup Execution
- **Fields of Interest**: Mobile Product Engineering, Consumer Applications, Early-stage Startups, Scalable App Architecture