Rohit Manglani

Senior Flutter Engineer — Mobile Architect — Full-Stack Developer

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SUMMARY

Senior Flutter Developer with 8+ years of engineering experience, specializing in building **large-scale, maintainable Flutter applications**. Expert in **Clean Architecture, BLoC state management, and test-driven development**. Currently building a complex pharmacy CRM platform for the UK market used for real-world dispensing and clinical workflows. Strong background in full-stack development, system design, performance optimization, and leading production-grade mobile systems from architecture to deployment.

CORE EXPERTISE

Flutter • BLoC / Cubit • Clean Architecture • SOLID Principles • TDD Modular App Design • Dependency Injection • Unit/Widget/Integration Testing Performance Optimization • Flutter Web • CI/CD • Scalable App Foundations

TECHNICAL SKILLS

Mobile: Flutter, Dart, Flutter Web **Architecture:** Clean Architecture, MVVM, Feature-first modularization **State Management:** BLoC, Cubit, GetX **Testing:** Unit Testing, Widget Testing, Integration Testing, Mockito **Backend:** Node.js, Express.js, Firebase, MongoDB, MySQL **System Design:** REST APIs, WebSockets, Role-based systems, Realtime sync **DevOps:** Git, CI/CD pipelines, PM2, Firebase Hosting **Integrations:** Payment gateways, Maps, Video calling, Push notifications **Security:** API security, vulnerability assessment, penetration testing, Reverse Engineering

PROFESSIONAL EXPERIENCE

Senior Flutter Developer (Remote) — Apotec, UK   2024 – Present

- Architecting a **large-scale pharmacy CRM system** in Flutter Web handling real dispensing and clinical workflows.
- Designed a **feature-driven modular architecture** improving maintainability, testability, and onboarding speed.
- Implemented **BLoC-based state management** across the entire platform with strict separation of presentation, domain, and data layers.
- Introduced **Clean Architecture principles** and dependency injection to decouple business logic from UI.
- Built **reusable core modules** for authentication, role management, printing, inventory, and automation.
- Established **testing foundations** (unit and widget tests) to enable safer refactors and long-term scalability.
- Optimized rendering and state flows, significantly improving stability in complex multi-panel web layouts.
- Recognized internally as one of the **fastest and most consistent contributors** to the repository.

Senior Full-Stack Developer — HackerKernel, Bhopal   Apr 2023 – Dec 2023

- Led architecture and development of EdTech, telemedicine, and food-tech platforms.
- Built Flutter applications following **scalable architecture patterns** and backend systems in Node.js.
- Designed realtime systems using WebSockets, push notifications, and optimized database schemas.
- Mentored developers on Flutter architecture, performance tuning, and maintainable coding practices.

Freelance Full-Stack Flutter Developer   2016 – 2023

- Delivered 10+ production apps across healthcare, automation, gaming, and social platforms.
- Designed full systems from scratch: Flutter apps, admin panels, APIs, CI/CD, and deployment.
- Built high-concurrency applications supporting **80,000+ realtime users**.
- Specialized in **architecture design, refactoring legacy apps, and performance stabilization**.

KEY ACHIEVEMENTS

- Rewarded for reporting a security vulnerability on Uber via HackerOne.

- Best Performer of the Month award at HackerKernel.

EDUCATION

B.Sc. in Information Technology — Swami Vivekanand Institute of Technology, Balaghat

  Certification: Advanced Java Oracle Database — Naresh IT, Hyderabad