

Rudraveer Singh Sandhu

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PROFESSIONAL SUMMARY

Results-driven Senior Flutter Developer with 3.5+ years of experience architecting and shipping scalable, high-performance mobile applications across AgriTech, Mobility, Enterprise SaaS, Real Estate, EdTech, and HealthTech. Proven expertise in cross-platform development, IoT integrations, and leading end-to-end mobile solutions from architecture through production deployment. Delivered 9+ applications with 100K+ combined downloads and a 4.5+ average app store rating. Skilled in modern Flutter architecture, state management (BLoC, GetX, Provider, Riverpod), and backend integrations spanning Firebase, Supabase, and RESTful/GraphQL APIs, with a track record of resolving critical production issues and improving application performance by up to 40%.

CORE TECHNICAL COMPETENCIES

Mobile Development & Flutter Expertise

Flutter SDK • Dart Programming • Cross-Platform Development • iOS Development • Android Development • Material Design • Cupertino Design • Custom Widgets • Widget Lifecycle • Responsive Design • Adaptive Layouts • Flutter Animations • Custom Painters • Platform Channels • Native Integration

State Management & Architecture

BLoC Architecture • GetX State Management • Provider • Riverpod • MVVM Architecture • MVC Architecture • Clean Architecture • Repository Pattern • Dependency Injection • Asynchronous Programming

Backend Integration & APIs

RESTful APIs • GraphQL • JSON Parsing • HTTP Requests • WebSocket Connections • Firebase Services • Cloud Firestore • Firebase Authentication • Push Notifications (FCM) • Cloud Functions • Supabase • Redis • Laravel PHP

Database & Storage

SQLite • Shared Preferences • Hive Database • Local Storage • Cloud Storage • Data Persistence • Offline Capability • Data Synchronization

Development Tools & Practices

Git Version Control • GitHub • CI/CD Pipelines • Code Review • Agile Methodology • Scrum Framework • Test-Driven Development • Unit Testing • Widget Testing • Integration Testing

Specialized Technologies

IoT Development • ESP32 • Raspberry Pi • Microcontrollers • Hardware Integration • Geofencing & Geolocation • Payment Gateway Integration (PayU) • Multi-language Support • Internationalization

PROFESSIONAL EXPERIENCE

RHYSLEY PVT. LTD.

Application Developer | January 2026 - Present

Helixta HRMS

- **Co-developed Helixta HRMS**, an enterprise-grade human resource management system, for Android and iOS using Flutter — deployed in-house and marketed as a B2B SaaS solution
- **Built geofencing and geo-tracking features** enabling real-time, location-verified attendance tracking for distributed workforces
- **Developed attendance management, payroll, and leave modules** to automate core HR operations

- **Implemented task management and expense tracking modules**, extending the platform into a comprehensive workforce operations suite
- **Integrated Firebase** for real-time data sync, authentication, and backend services across mobile and web platforms

EazeeSign

- **Co-developed EazeeSign**, a secure and hassle-free e-signature application, for Android and iOS using Flutter
- **Built the core document signing module** supporting secure, legally compliant electronic signatures
- **Developed the document sharing module** enabling seamless collaboration and distribution of signed documents
- **Integrated Firebase backend** for secure document storage, authentication, and real-time status updates

SEVENTH HORSE AGRI-TECH PRIVATE LIMITED

Senior Full Stack Mobile Developer (Freelance) | December 2024 - December 2025

- **Led development** of a comprehensive AgriTech Flutter application serving 4 distinct user types: Farmers, Machine Providers, FPOs, and Traders
- **Implemented complex business logic** enabling seamless B2B and B2C interactions between agricultural stakeholders
- **Architected a multilingual mobile solution** supporting regional languages with GetX state management for optimal performance
- **Integrated the Firebase ecosystem** including Authentication, Firestore, Cloud Functions, and real-time synchronization
- **Delivered a visually rich user experience** with smooth animations, elegant transitions, and responsive design across devices

TIYENI

Flutter Developer (Freelance) | June 2025 - September 2025

- **Led a front-end development team** of 3 developers for a dual-platform ride-hailing solution serving Malawi's transportation sector
- **Designed and developed comprehensive UI/UX** for both the Tiyeni Passenger and Driver applications with a focus on intuitive user flows
- **Architected seamless backend integration** utilizing Supabase for real-time data management and Redis for optimized caching
- **Delivered production-ready mobile applications** with responsive design principles ensuring a consistent experience across devices
- **Coordinated cross-functional collaboration**, managing development workflow and ensuring timely delivery of project milestones

QUANTUM IT INNOVATIONS PVT. LTD.

Flutter Developer | August 2024 - December 2024

- **Developed and scaled mobile applications** for Canadian and Spanish startups in real estate and service aggregator domains
- **Led client communication** and requirement-gathering sessions, ensuring 100% project alignment and stakeholder satisfaction
- **Built cross-platform solutions** including MeinHaus (Real Estate), MeinHaus Pro (Professional Services), and Yei (Service Aggregator)
- **Delivered multilingual applications** supporting English, Spanish, and French localization
- **Managed project timelines**, delivering all projects on schedule with zero client escalations

KARNAROGYAM PVT. LTD.

Flutter and IoT Consultant | May 2024 - September 2024

- **Led a complete IoT device upgrade** for a medical tinnitus treatment device, improving clinical effectiveness by 60%
- **Developed a companion Flutter application** enabling doctors and patients to configure device settings remotely
- **Implemented secure device communication** using Bluetooth and WiFi protocols for real-time data transmission
- **Enhanced user interface design**, improving device usability in clinical and personal settings

- **Collaborated with medical professionals** to ensure compliance with healthcare regulations and user safety standards

YODACART PVT. LTD.

Senior Flutter Developer (Freelance) | January 2024 - June 2024

- **Resolved critical production issues** preventing app deployment, ensuring 100% deployment success rate
- **Fixed PayU payment integration** problems, improving payment processing reliability by 98%
- **Modernized legacy BLoC implementations**, upgrading to current best practices and improving code maintainability by 50%
- **Optimized application performance** by removing redundant code and implementing efficient state management
- **Enhanced user experience** through modern animations and transitions, increasing user retention by 25%

LEGUM TECHNICA PVT. LTD.

Flutter Developer | November 2022 - December 2023

- **Developed a comprehensive EdTech application** for competitive exam preparation with an MCQ-based assessment system
- **Integrated AI-powered question generation** via a custom API, providing dynamic content using a RAG-based system trained on large datasets of books and past-year question papers
- **Implemented an advanced analytics dashboard** using charts and graphs for syllabus coverage tracking
- **Built a real-time progress monitoring system** helping users optimize study efforts and identify knowledge gaps
- **Achieved a 4.6 app store rating** with 50K+ downloads and an 85% user retention rate
- **Collaborated with the product team** to define feature requirements and user experience improvements

KEY ACHIEVEMENTS

- **Delivered 9+ production applications** across AgriTech, Mobility, Enterprise SaaS, Real Estate, EdTech, and HealthTech domains
- **Achieved a 4.5+ average app store rating** with 100K+ combined downloads across all published applications
- **Improved application performance by up to 40%** through optimization and efficient state management
- **Improved payment processing reliability to 98%** through robust integration and error handling
- **Delivered client and freelance projects** with 100% on-time delivery and zero escalations
- **Mentored junior developers** in Flutter best practices and modern development methodologies

EDUCATION

Bachelor of Engineering in Computer Science (Spec. in AI and ML)

Chandigarh University [2018 - 2021]

Bachelor of Science in Biotechnology

Noida International University [2021 - 2024]