

Vikas Mourya

Backend Engineer · Android Developer · 3.5 Years Experience

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EXPERIENCE

Backend & Android Engineer · [Suraj Informatics Pvt. Ltd.](#)

Sept 2022 – Present

- Architected and delivered backend services in Java and Spring Boot for 6+ production deployments across enterprise clients, handling 50K+ daily transactions.
- Integrated government APIs — Aadhaar authentication, DigiLocker, ULIP, and Sarathi — implementing secure JWT authentication, structured audit logging, and failure-resilient retry logic.
- Built offline-first Android applications using MVVM, Room, and WorkManager with automatic background sync on reconnect — deployed in zero-connectivity field environments.
- Set up production monitoring, error alerting, and audit trail mechanisms across all deployments; reduced incident response time by standardizing logging across services.

PROJECTS

WalletX – Smart Electric Bus Ticketing System | Palava City / Navi Mumbai

Stack: Android (Java/Kotlin), Spring Boot, WebSocket, Firebase, Payment Gateway, PostgreSQL

- Built a full-stack ticketing platform with mobile booking, wallet recharge, QR-based validation, and route passes — serving daily commuters across electric bus routes.
- Implemented live vehicle telemetry (battery, speed, ETA, GPS) via WebSocket; integrated payment gateway for seamless wallet top-ups and booking history.

RMMS – Raw Material Movement Monitoring | Visakhapatnam Port

Stack: Android (Java), MVVM, Retrofit, Spring Boot, MySQL, RFID Integration

- Tracked end-to-end logistics of hazardous raw materials (phosphoric acid, sulfuric acid, minerals) from port berth to warehouse — managing truck allocation, driver assignment, and weighbridge records.
- Integrated RFID-enabled weighbridge automation with Android and web platforms, eliminating manual data entry and reducing operational errors.

Adani Group – Solar Panel Grading System | Multi-Plant

Stack: Android (Java), MVVM, Room, WorkManager, Retrofit, Spring Boot, PostgreSQL

- Developed an industrial grading tool for solar panel efficiency testing across multiple Adani plants, supporting both online (real-time Sun Simulator integration) and offline modes.
- Designed an automatic sync mechanism to upload locally-stored grading records on reconnect — ensuring zero data loss and uninterrupted plant operations.

BCMG – Event Entry Validation | Bar Council of Maharashtra & Goa

Stack: Android (Java), MVVM, Room, Barcode SDK, Spring Boot, MySQL

- Built barcode-based event pass generation with distribution via email and WhatsApp; enabled offline barcode verification with pre-event data sync for zero-connectivity entry.

SKILLS

Backend: Java, Spring Boot, Spring Security, Spring MVC, Hibernate/JPA, REST APIs, Microservices

Android: Android SDK, Kotlin, Jetpack, MVVM, Room, Retrofit, Firebase, WorkManager

Database: MySQL, PostgreSQL, Oracle, SQLite

Infra: Docker, Linux, Redis, Git, Maven, Gradle, Postman

Testing: JUnit, Mockito, Logcat Debugging

EDUCATION

B.Sc. Information Technology · J.K. College of Science & Commerce, Navi Mumbai

2017 – 2020 · CGPA 8.82