

SAGAR CHOUDHARY

Senior Full-Stack Engineer | Mobile & Backend Specialist

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Senior Full-Stack Engineer with 3+ years of experience specializing in Flutter mobile development (Android & iOS) and Spring Boot REST APIs. Built and deployed 15+ production applications with 7+ apps live on the Play Store and App Store with 5,500+ combined downloads. Experienced in real-time data systems using WebSockets and Server-Sent Events, payment gateway integrations (HDFC, Juspay), and IoT sensor data processing with Raspberry Pi. Proficient in PostgreSQL database design and Redis caching for performance optimization.

PROFESSIONAL EXPERIENCE

Senior Full-Stack Software Developer

Jul 2023 - Present

Vasundhara IT Pvt. Ltd., Pune

- Developed and published 15+ Flutter apps, including 7+ live apps on the [Play Store](#) and [App Store](#), managing the complete lifecycle from development to deployment
- Built Spring Boot REST APIs with PostgreSQL databases for all mobile applications and web applications, ensuring scalability and reliability
- Reduced API response times to millisecond-level by implementing Redis caching and a clustered architecture
- Integrated HDFC and Juspay payment gateways for secure in-app transactions and payment processing
- Developed JasperReports-based reporting systems for business intelligence and data visualization
- Built Python-based IoT modules on Raspberry Pi to interface with sensors (RTD, IR, GPS, load cell) for real-time data acquisition
- Implemented WebSockets and Server-Sent Events (SSE) for live dashboard updates in industrial monitoring systems
- Created internal web dashboards using React and Spring Boot for admin and monitoring purposes
- Managed Google Cloud Platform services, including Firebase, Cloud APIs, and real-time integrations
- Led a team of 5+ developers, conducting code reviews and managing project delivery timelines, improving turnaround by 25%

Trainee Android & iOS Developer

Jan 2023 - Jun 2023

Vasundhara IT Pvt. Ltd., Pune

- Contributed to live Android projects using Java and Kotlin in Android Studio
- Developed an iOS application prototype using the Flutter framework for a client project
- Gained hands-on experience with Spring MVC and Google Cloud Platform

TECHNICAL SKILLS

Mobile Development: Flutter, Dart, Android, iOS, State Management (Bloc, Provider, GetX)

Backend Development: Spring Boot, REST APIs, Java, WebSockets, Server-Sent Events (SSE)

Databases: PostgreSQL, MySQL, Redis, SQLite, MongoDB

Frontend: React, JavaScript, HTML5, CSS3

Cloud & Tools: Google Cloud Platform, Firebase, Git, Postman, Android Studio, VSCode, Docker

Specialized: Payment Gateways (HDFC, Juspay), IoT (Raspberry Pi, Linux/Raspbian), JasperReports, JWT Authentication

KEY PROJECTS [GitHub](#) | [Play Store](#) | [App Store](#)

[VM Track - Vehicle & Machinery Tracking App](#)

2025 - 2026

Vasundhara IT Pvt. Ltd.

- Independently designed and developed an end-to-end Flutter app for real-time GPS tracking of construction vehicles and heavy machinery

- Built Spring Boot REST APIs with PostgreSQL for fleet management and location tracking
- Implemented real-time location updates using Firebase and Google Maps API
- **Tech Stack:** Flutter, Spring Boot, PostgreSQL, Google Maps API, Firebase
- **Live App:** <https://play.google.com/store/apps/details?id=com.vasundharasoftware.vmtrack>

SCADA India - Industrial Monitoring App

2023 - 2025

Vasundhara IT Pvt. Ltd.

- Developed a Flutter-based app for real-time work order management and industrial data analysis, achieving 1500+ downloads
- Integrated Spring Boot REST APIs and PostgreSQL for seamless data access
- Implemented JasperReports for automated summary generation and reporting
- Added offline mode and multi-language support for enhanced usability in industrial settings
- **Tech Stack:** Flutter, Spring Boot, PostgreSQL, JasperReports
- **Live App:** <https://play.google.com/store/apps/details?id=com.vasundharasoftware.scada>

E-LAB - Material Testing & Invoice Management

2024 - 2025

Vasundhara IT Pvt. Ltd.

- Built a Flutter app for the material testing lab operations with invoice management and HDFC payment gateway integration, achieving 2000+ downloads
- Designed role-based portals (Engineer, Contractor, ARO, DM) with Spring Boot REST APIs
- Ensured data security and scalability with PostgreSQL and CRM integration
- **Tech Stack:** Flutter, Spring Boot, PostgreSQL, HDFC Payment Gateway
- **Live App:** <https://play.google.com/store/apps/details?id=com.vasundharasoftware.elab.satarazp>

Real-Time Data Distribution Services (Unipro, GTAMB)

2025

Vasundhara IT Pvt. Ltd.

- Developed two Spring Boot services using Redis Pub/Sub for real-time data distribution from SCADA systems and sensors
- Implemented WebSocket and SSE protocols to broadcast live updates to client dashboards
- Led a team of 5 developers, ensuring scalability and fault tolerance
- **Tech Stack:** Spring Boot, Redis, WebSockets, SSE, PostgreSQL
- **Live App:** https://pmcscada.in/PMC_SCADA_Control_Room/

Plant SCADA - IoT Sensor Data Processing

2024

Vasundhara IT Pvt. Ltd.

- Created Linux-based desktop application for Raspberry Pi to process RTD, IR and GPS sensor data
- Transmitted processed data to the central database/API for monitoring and analytics
- **Tech Stack:** Python, Kivy, Raspberry Pi

EDUCATION

Master of Computer Applications (MCA)

Jul 2023

North Maharashtra University, Jalgaon, MH

Bachelor of Commerce and Computer Applications (BCCA)

Mar 2021

G. H. Raisoni CCST, Nagpur, MH

CERTIFICATIONS

Crash Course on Python - **Google**

Dec 2022

Front-End Development - **Meta**

Nov 2022

Full-Stack Development - **Skillup**

Sep 2022

LANGUAGES

English (Fluent), Hindi (Fluent), Marathi (Native)