

SAGAR CHOUDHARY

Senior Full-Stack Engineer | Backend & Real-Time Systems

Pune, Maharashtra, India | +91-87883-83149 | sagarc.dev@outlook.com | sagarc.dev
github.com/sagarc-dev | linkedin.com/in/sagarc-dev

Senior Full-Stack Engineer with 3+ years building and shipping production-grade systems across mobile (Flutter) and backend (Spring Boot, PostgreSQL). Delivered 15+ applications end-to-end — from real-time IoT dashboards to payment-integrated platforms — with 7+ live on Play Store and App Store. Stepped into system architecture and technical leadership early, owning infrastructure decisions, production deployments, and a team of 5+ engineers across the full delivery lifecycle.

TECHNICAL SKILLS

Backend: Java, Spring Boot, REST APIs, WebSockets, SSE, Redis Pub/Sub, JWT.

Mobile & Frontend: Flutter (Bloc, Provider, GetX), Dart, React, JavaScript, HTML5/CSS3.

Databases: PostgreSQL (Performance Tuning), MySQL, Redis, SQLite.

Cloud & DevOps: GCP, Firebase, Docker, Nginx (Reverse Proxy), Git.

Specialized: Payment Gateways (Juspay, HDFC), IoT (Raspberry Pi/Python), JasperReports.

KEY ACHIEVEMENTS

- Designed and deployed 15+ production applications, with 7+ live apps on Play Store & App Store
- Reduced backend API latency to <100ms using Redis caching and query optimization
- Architected real-time data pipelines using Redis Pub/Sub, WebSockets, and SSE
- Led migration from legacy JSP + Hibernate to React + Spring Boot architecture
- Led and mentored 5+ engineers, improving delivery timelines by ~25%
- Owned system architecture and technical decision-making after senior leadership exit

PROFESSIONAL EXPERIENCE

Senior Full-Stack Software Developer

Jul 2023 - Present

Vasundhara IT Pvt. Ltd., Pune

- System Architecture & Leadership:** Acted as primary technical decision-maker for architecture and DevOps; mentored a team of 5+ developers, increasing delivery turnaround by 25%.
- Performance Engineering:** Reduced API response times to millisecond-level by implementing Redis caching and a clustered architecture.
- Product Delivery:** Managed the end-to-end lifecycle of 15+ Flutter applications, ensuring 7+ live apps on [Play Store/App Store](#) met high reliability standards.
- Production & Release Ownership:** Owned end-to-end production deployments across Android (Play Store), iOS (App Store), and web platforms, managing release builds, environment configuration, and deployment of Spring Boot, Node.js, React, and Next.js applications behind Nginx reverse proxy, ensuring high availability and zero-downtime releases.
- Backend Scalability:** Designed and built Spring Boot REST APIs with PostgreSQL for high-frequency transactional systems, integrating HDFC and Juspay for secure payments.
- Real-Time Systems:** Implemented WebSockets and Server-Sent Events (SSE) for industrial monitoring dashboards, enabling live data acquisition from IoT sensors.

Trainee Android & iOS Developer

Jan 2023 - Jun 2023

Vasundhara IT Pvt. Ltd., Pune

- Developed iOS prototypes using Flutter and contributed to live Java/Kotlin Android projects.
- Gained exposure to Spring MVC and Google Cloud Platform integrations.

KEY PROJECTS

[Real-Time Data Distribution Services \(Unipro, GTAMB\)](#) | Spring Boot, Redis, WebSockets

- Architected a high-performance Redis Pub/Sub system for SCADA data distribution, handling high-frequency sensor streams.
- Engineered event-driven backends to broadcast live updates to dashboards with zero-latency requirements.

[VM Track – Vehicle & Machinery Tracking Platform](#) | Flutter, Spring Boot, PostgreSQL, Google Maps

- Independently designed a real-time tracking system for heavy machinery, optimizing the backend for high-frequency GPS coordinate writes.
- Built a scalable REST architecture supporting live monitoring and reporting for construction fleets.

[SCADA India – Industrial Monitoring System](#) | Flutter, Spring Boot, PostgreSQL, JasperReports

- Architected an end-to-end platform supporting 1500+ users with real-time work order management and automated business intelligence reports.
- Implemented offline-first capabilities and multi-language support for rugged industrial environments.

[E-LAB – Material Testing & Invoice Management System](#) | Flutter, Spring Boot, HDFC Gateway

- Developed a secure, role-based platform for laboratory operations featuring a custom API bridge for HDFC payment processing.
- Designed complex PostgreSQL-backed authorization for multiple stakeholder roles (Engineers, Contractors, DM).

[Plant SCADA - IoT Sensor Data Processing](#) | Python, Kivy, Raspberry Pi

- Developed Linux-based desktop applications for Raspberry Pi to process RTD, IR, and GPS sensor data.
- Transmitted processed data to the central database/API for monitoring and analytics.

EDUCATION

Master of Computer Applications (MCA) North Maharashtra University, Jalgaon, MH	Jul 2023
Bachelor of Commerce and Computer Applications (BCCA) G. H. Rasoni CCST, Nagpur, MH	Mar 2021

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)