

SAHIL SHINDE

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Software Engineer with **2 years of experience** specializing in Java backend development using **Spring Boot, REST APIs, PostgreSQL, Kafka, Redis, and Spring Security**.

Technical Skills

Languages:	Java, SQL, TypeScript, JavaScript, Python
Backend	Spring Boot, REST APIs, Spring Security, JPA/Hibernate, Apache Kafka, Redis
Databases	PostgreSQL, MySQL
Testing & DevOps	JUnit 5, Mockito, Testcontainers, Docker, GitHub Actions
Frontend & AI	React, FastAPI, LangChain, Qdrant, HuggingFace, RAGAS

Experience

Programmer Analyst (Java Backend Developer) Sept 2025 – Present

Avanzens Consultancy Services

Pune, India

- Developed and maintained **Spring Boot backend services** for user management and credit-scoring workflows, exposing secure **REST APIs** with **PostgreSQL, Flyway, JWT authentication, and Spring Cloud Gateway**.
- Implemented **Kafka-based asynchronous processing** for credit-score updates, decoupling core processing from downstream notification workflows and improving separation between services.
- Designed and executed a **controlled Kafka performance benchmark** using a real Kafka broker, achieving approximately **7.4K events/sec median throughput** with **39 ms p95 producer-to-consumer latency** across 3,000 benchmark events.
- Tested **failure, retry, and message-processing scenarios** for downstream notification failures and evaluated reliability concerns including **DLQ handling, consumer idempotency, and database-to-Kafka consistency**.

Software Engineer Intern — Full-Stack Developer

Mar 2025 – Aug 2025

InternMeets

Pune, India

- Developed **Spring Boot REST APIs** and **React + TypeScript interfaces** for patient-record and appointment-management workflows, integrating frontend and backend functionality across the clinic application.
- Implemented **role-based access control** using **Spring Security and JWT** for patient, doctor, and admin roles, enforcing authorization across both API endpoints and frontend routes.
- Improved performance of frequently accessed **MySQL queries** through query optimization and indexing, reducing unnecessary database overhead for core application workflows.

Freelance Software Developer

Oct 2023 – Mar 2024

Self-Employed

Pune, India

- Built **ServiceNow workflow automation** using **Flow Designer, Business Rules, Client Scripts, ACLs, and REST integrations** for incident/request management, including **approval and assignment workflows**.

Projects

Claims Processing System

2026 | [GitHub](#)

Java, Spring Boot, PostgreSQL, Redis, Kafka, Spring Security, Flyway, Docker, Testcontainers

- Built a **Spring Boot claims-processing system** with PostgreSQL, JWT role-based authorization, controlled claim-state transitions, idempotent operations, audit history, Redis caching, and Kafka-based asynchronous processing.
- Reduced p95 claim-read latency by **18–24%** with Redis across repeated **100K-claim benchmarks** and improved PostgreSQL reporting latency by **82.5% (58.3 ms → 10.2 ms)**; added **JUnit, Mockito, Testcontainers, Docker, and GitHub Actions CI**.

RagLens — Evaluation-First RAG System

2026 | [GitHub](#)

FastAPI, Qdrant, LangChain, HuggingFace, RAGAS, React

- Built a **PDF question-answering RAG system** using HuggingFace embeddings, **Qdrant metadata filtering, MMR retrieval, and CrossEncoder reranking** for improved context selection.
- Built a reproducible **baseline-vs-reranker evaluation pipeline** with RAGAS, improving **Context Precision from 0.568 to 0.792** and evidence hit rate from **83.3% to 100%** on a controlled benchmark.

Education

Post Graduate Diploma in Advanced Computing (PG-DAC)

Aug 2024 – Feb 2025

C-DAC, Pune

Bachelor of Engineering — Information Technology

Aug 2019 – Jun 2023

Sinhgad College of Engineering, Pune

Certifications & Coding

Oracle Cloud Infrastructure 2025 Certified Foundations Associate

Solved **500+ Data Structures & Algorithms problems** across **LeetCode, InterviewBit and GeeksforGeeks**

ServiceNow Certified System Administrator (CSA)