

# Sakshi Chitnis

Open to Global Remote Opportunities

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## Summary

**Java Backend Developer** experienced in designing scalable, cloud-native microservices using Spring Boot, Kafka, and PostgreSQL. Skilled in building distributed systems with a focus on performance, security, and fault tolerance. Experienced in remote, cross-functional team collaboration and Agile delivery. Passionate about developing enterprise-grade backend systems that scale globally.

## Technical Skills

- **Programming Languages:** Java/JEE (Primary), JavaScript, Python, SQL
- **Frameworks & Libraries:** Spring Boot, Spring Security, Spring Cloud, Hibernate, JUnit, Design Patterns
- **Frontend Technologies:** Angular, React, Vue.js, HTML5, CSS3, Bootstrap, jQuery, HTML5, CSS3, DOM manipulation
- **Remote Collaboration Tools:** Jira, Confluence, Slack, Microsoft Teams, Zoom, GitHub Projects
- **Database Technologies:** MySQL, PostgreSQL, MongoDB, Redis, Cassandra, Elasticsearch
- **CI/CD & DevOps:** Jenkins, GitLab CI, Docker, Kubernetes, Microsoft Power Automate
- **Message Queues & Streaming:** Apache Kafka, Google PUB/SUB
- **Cloud & DevOps:** Designed and deployed microservices on AWS (EC2, S3, Lambda) with CI/CD pipelines using Jenkins, Docker, Kubernetes, and Terraform.
- **Monitoring & Tools:** Datadog, Grafana, Git, GitHub, Postman, Maven, Gradle, Logback, SLF4J
- **AI & Vector Search:** OpenAI API, Retrieval-Augmented Generation (RAG), document chunking, embeddings, pgvector / Pinecone

## Professional Experience

**Software Developer**, Deloitte, Gurgaon

Feb 2024 - Present

- Built a feature flag system integrated with a segmentation engine for targeted user control.
- Led the migration of monolithic applications to a **microservices** architecture and deployed on **Kubernetes**, improving system scalability and achieving **99.99%** uptime. Enhanced **Elasticsearch** indexing and search performance to achieve sub-50ms query response times for 10M+ documents.
- Developed an event-driven architecture using **Apache Kafka** to process **1M+** events daily, with multithreaded Kafka consumers and backpressure handling - reducing latency by **30%**.
- Created custom **middleware** for request validation and rate limiting, cutting invalid requests by **60%**.
- Optimized data partitioning and clustering for **Redis** and **Cassandra**, reducing query response time by **40%**.
- Built a **fraud detection** and analytics pipeline using **Apache Spark** and Machine Learning models, reducing fraudulent transactions and deployed cloud-native solutions on **AWS** (EC2, S3, Lambda) to support scalable and secure applications.
- Designed microservices with cloud-native **resilience patterns** (e.g., retry, circuit breaker).
- Built **React-based** frontend dashboards to integrate with backend microservices, enabling real-time feature flag toggling, role-based access control, and analytics visualization for end-users.
- Collaborated in **Agile** teams and actively contributed to design and code reviews, ensuring scalable architecture and clean, maintainable code.
- Worked with **AWS Outposts** to extend cloud-native applications to on-premise infrastructure, ensuring compliance and low-latency performance.
- Applied **OOP** principles and **design patterns** (Factory, Singleton, Strategy, etc.) in scalable architectures

**Software Developer**, HCL Technologies, Noida

Aug 2022 – Feb 2024

- Built an **RBAC-based** authentication and authorization system using **PostgreSQL** and a custom rule engine - secured access for **2000+** users with zero breaches.
- Reduced the number of shards in the **Redis** cluster by almost half by eliminating large keys, implementing compression and hashing for oversized keys and values, and leveraging local storage for hot keys alongside optimized sharding to enhance system reliability.
- Achieved **80%+** test coverage in RESTful APIs, reducing bugs by **40%**; optimized database queries and caching, improving response times by **17%**.
- Contributed to frontend development with **React.js**, HTML5, and Bootstrap, ensuring responsive and cross-browser UI.
- Worked in a microservices-based architecture with seamless frontend-backend integration.

Certification

- JP Morgan Chase Virtual Internship Certificate
- AWS Cloud Practitioner Certification
- Google Cloud Certified Associate Cloud Engineer
- Professional Cloud Architect certification from Google Cloud

Key Achievements

- Reduced API latency by 30% using asynchronous event processing (Kafka)
- Built a segmentation engine serving 1M+ daily user events
- Improved Redis query response time by 40%
- Designed cloud-native microservices ensuring 99.99% uptime

Project

- |  |        |                                  |
|--|--------|----------------------------------|
| <b>DocIntel – AI-Powered Document Analysis Platform</b>  | GitHub | Personal project, 2025 – Present |
| <ul style="list-style-type: none"><li>• Built an end-to-end document AI hub where users upload PDFs, extract text, generate summaries, and ask questions using Spring Boot, React, OpenAI APIs, and PostgreSQL.</li><li>• Implemented RAG with a vector database (pgvector/Pinecone) to store LLM embeddings and enable semantic search and multi-document Q&amp;A, including HR offer-letter comparison across teams.</li></ul> |        |                                  |

Education

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|--|------------------------|
| <b>Rajiv Gandhi Prodyogiki Vishwavidyalaya</b>   | April 2018 – July 2022 |
| B.Tech in Computer Science   GPA: 8.4/10.0 (Equivalent to 3.4/4.0)   |                        |
| <ul style="list-style-type: none"><li>• Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Object-Oriented Programming</li></ul> |                        |

Extracurricular

- |  |                       |
|--|-----------------------|
| <b>Member of Vyenkatesh Ashram in Nagpur</b>   | August 2021 – Present |
| <ul style="list-style-type: none"><li>• Venkatesh Ashram is a facility dedicated to the care of the elderly in the Parseoni area</li></ul> |                       |

Open to remote opportunities with global teams (US, Europe, and Middle East)