Raghavendra Singh Chauhan

raghavendra.swe666@gmail.com | LinkedIn | Github

Software Engineer
+91-8240xxxxxx

Skills

Languages : Java, Python, Golang, SQL

Frameworks : Spring Boot, FastAPI, LangChain, LangChain4j, LangGraph

AI & Retrieval : RAG, MCP, Vector Search, pgvector, Ollama

Distributed Systems : Kafka, Redis, Elasticsearch, Apache Spark, Hazelcast, Apache Camel

Cloud & Infrastructure : AWS, GCP, Docker, Kubernetes, Terraform, PostgreSQL

Engineering : REST, gRPC, Microservices, Concurrency, JVM Performance, CI/CD

Professional Experience

OSTO Cybersecurity — Gurugram, India

SDE-2 — *Feb 2026 – June 2026*

- **Compliance Automation Platform** Architected an evidence-first compliance engine using a DAG-based control graph, enabling near real-time evidence propagation and automated SOC 2 control evaluation.
- Designed a configuration-driven multi-framework architecture supporting **10,000+ tenants**, allowing standards such as ISO 27001 to be onboarded via JSON imports without backend changes.
- **Cloud-native EDR Platform** Built a secure, autoscaling telemetry platform using gRPC, mutual TLS, Azure Container Apps, and Azure Log Analytics for near real-time ingestion from **10,000+ managed endpoints**.

Deutsche Bank — Pune, India

Software Engineer (Associate) — *July 2021 – December 2023*

- Fast-tracked to Associate (SDE-2) for consistently exceeding expectations, independently driving modernization initiatives, and mentoring junior engineers
- Built and scaled Spring Boot data-ingestion microservices processing **50M+ records/day** using MQ and Spark with 80%+ automated test coverage and mTLS-secured communication
- Co-led modernization of the Gravity platform by decomposing a legacy monolith into an event-driven ingestion pipeline, delivering approximately **$500K annual infrastructure savings**
- Owned JVM performance tuning for a **24-node Hazelcast cluster**, optimizing G1GC configuration and eliminating GC-induced latency during high-volume cVA risk calculations
- Optimized Drools rule evaluation using HashMap-based indexing and incremental loading, reducing rule execution latency by nearly **40%**
- Led the Hazelcast 4.x and Apache Camel 3.x upgrade across a tightly coupled monolith, preventing an estimated **8-week regulatory compliance delay**
- Resolved production incidents involving **160M+ financial records**, identifying data corruption root causes and restoring business-critical processing under strict regulatory timelines
- Improved engineering productivity by automating repetitive workflows, introducing pre-commit quality gates, leading knowledge-transfer sessions, and contributing to Cucumber/Mockito test automation

Projects

AI Sales Intelligence Platform | *Python, FastAPI, LangGraph, LangChain, PostgreSQL, Docker*

- Built an agentic lead intelligence platform automating discovery, enrichment, and qualification, processing **10k+ businesses/day** using LangGraph workflows.
- Integrated asynchronous data pipelines and external business APIs, reducing end-to-end lead enrichment latency by **70%**.

Enterprise Knowledge Platform | *Java 25, Spring Boot, LangChain4j, Kafka, Redis, pgvector*

- Engineered a distributed ingestion pipeline indexing **100k+ documents** using Virtual Threads, Kafka fan-out, and LangChain4j.
- Implemented hybrid semantic retrieval with pgvector (HNSW) and Redis, achieving **sub-100 ms** contextual search latency.

Synthetic Data Platform | *PyTorch, FastAPI, Celery, Redis*

- Built a distributed AI training platform supporting **1,000+ concurrent training jobs** through asynchronous orchestration.
- Developed diffusion-based synthetic data generation for datasets containing **10M+ rows** using memory-efficient streaming pipelines.

Academics

Indian Institute Of Engineering Science & Technology Shibpur — WB, India

B.Tech in Electronics & Telecommunications; CGPA: 9.15/10 — *July 2017 – June 2021*

- DSA, Database management systems, Soft Computing, Digital Signal Processing, Computer Networks

Achievements

Certifications : MarcoBehler (JetBrains) Spring Professional, deeplearning.ai RAG, DeepLearning.AI Agentic AI

Academic : Cleared Indian Civil Services 2025 Prelims – Top 1% of 800k+ candidates – 2024–2025

Rewards : Deutsche Bank Recognition Award 2022

Leadership : Indian Army Engineers (2017) — Cleared SSB 5-day eval of IQ, EQ, and leadership