

SIDDHARTH GOLCHHA

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience building production backend services and microservices using Java and Spring Boot. Experienced in designing REST APIs, optimizing SQL workloads, and building event-driven systems with Kafka. Hands-on experience with Docker, Kubernetes, AWS and GCP, with additional experience in RAG and vector search.

EXPERIENCE

Iron Mountain

Jul 2024 - Present

Associate Software Engineer

Bengaluru, India

- Developed worker and scheduler-based processing for **10,000+** documents, handling OCR and embedding workflows asynchronously to process documents reliably at scale.
- Optimized SQL queries by fixing N+1 query patterns and adding composite indexes, reducing average API response time by **30%**.
- Automated **200+** project-wide GitLab configuration changes through Command Center, replacing manual MR-based updates.
- Implemented end-to-end API security with **Spring Security, JWT, and OAuth2** across all internal endpoints, closing a gap flagged in an internal compliance review.
- Investigated and resolved **20+** production issues across backend services, working with logs, database queries, and service metrics to identify and fix root causes.
- Wrote **JUnit 5/Mockito** test suites reaching **85%+ coverage** on core reconciliation logic; introduced TDD practices that reduced post-release defects.
- Worked in Agile sprints with product, QA, and DevOps; contributed to architecture reviews, code reviews, and on-call incident resolution.

MSG Global Solutions

Mar 2024 - Jun 2024

Software Engineer Intern

Bengaluru, India

- Deployed Spring Boot microservices on AWS and GCP using Docker, reducing client fetch latency by **20%** through query and service-level optimizations.
- Improved deployment efficiency by **~55%** by streamlining release workflows while following disciplined development, testing, and code-review practices.

PROJECTS

JIRA Resolution Intelligence | RAG, Python, LangChain, Embeddings, pgvector

May 2026 - Sep 2026

- Built a RAG-based knowledge assistant that ingests **2,500+** JIRA issues and resolution comments, generating embeddings and storing them in a vector database for semantic retrieval of previously resolved incidents.
- Designed an end-to-end retrieval pipeline that converts user queries into embeddings, performs similarity search to identify relevant resolutions, and uses retrieved context to generate grounded LLM responses, reducing manual issue investigation time by **~50%**.

RideShare Platform - Microservices | Spring Boot, Kafka, Redis, Docker, Kubernetes

Sep 2024 - Dec 2024

- Designed a ride-hailing backend with **5 decoupled Spring Boot microservices** (User, Booking, Driver, Notification, Payment) communicating via REST and Kafka.
- Created a Kafka pipeline for trip lifecycle events with guaranteed delivery; added Redis caching for driver-location lookups, cutting latency by **~40%**.
- Secured all services with Spring Security RBAC, JWT, and OAuth2; deployed on Docker + Kubernetes with Helm charts.

TECHNICAL SKILLS

Languages: Java 17, Python, JavaScript, SQL

Backend & API: Spring Boot 3, Spring MVC, Spring Data JPA, Spring Security, Hibernate, REST APIs, gRPC, OAuth2, JWT

Databases: MySQL, PostgreSQL, MongoDB, Redis, Elasticsearch

Cloud/Devops: AWS, GCP, Docker, Kubernetes, Jenkins, CI/CD, Git, GitLab, GitHub Actions

Core CS: System Design, Design Patterns, SOLID, OOP, Data Structures & Algorithms

Distributed Systems: Microservices, Event-Driven Architecture, Apache Kafka

AI/GenAI: RAG, Vector Search, LangChain, LangGraph, MCP, Pinecone, pgvector

EDUCATION

Bachelor of Engineering in Information Science & Engineering

Nov 2020 - Jun 2024

CMR Institute of Technology, Visvesvaraya Technological University, Bengaluru

CGPA: 8.05

CERTIFICATIONS & ACHIEVEMENTS

- AWS Certified AI Practitioner - Amazon Web Services (AWS), 2026
- Associate Cloud Engineer - Google Cloud (GCP), 2026
- Ranked 12th out of 3,000+ participants, GeeksforGeeks Coding Contest