

Satyam Singh

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Skills

- **Programming & Frameworks:** Java/J2EE | Spring Boot | Spring Security | OAuth2 | JWT | MySQL | PostgreSQL | JPA | Hibernate | Junit | REST APIs | Redis | Kafka | Debezium | OpenAPI (Swagger)
- **DevOps & Cloud Technologies :** Git | Docker | Kubernetes | GCP (VM, GKE, Container Registry, WorkLoads) | AWS (EC2, S3) | Jira | Agile | Jenkins | CI/CD
- **System Design & Core Concepts:** Microservices | Event Driven Architecture | Circuit Breaker Patterns | Multithreading and Concurrency | Data Structures and Algorithms

Experience(5+ Yrs)

Software Engineer

Priority IDC | Fintech

01/2025 - Current

- **Target Balance Account (TBA) :** Designed and implemented the Target Balance Account (TBA) feature, enabling users to maintain multiple linked accounts with automated end-of-day rebalancing between master and sub-accounts based on target balances. Built event-driven systems leveraging **Kafka** and **Debezium** for real-time data syncing, and implemented multithreading and concurrency to support high-throughput transaction flows. Applied caching strategies, **transaction management**, and strong consistency principles to ensure system reliability and performance in a highly regulated financial environment.

Software Engineer

17Live Inc. | Social Media

02/2022 - 01/2025

- **Recommendation System([Link](#)):** Led backend development for a dynamic recommendation system using java and spring boot within a live streaming platform, orchestrating personalized content delivery to users based on a comprehensive set of user metrics, Key responsibilities included integrating and processing user metrics such as viewer preferences, age, view duration, and engagement metrics to curate personalized stream recommendations in real-time. Leveraged Kafka for efficient data ingestion and processing, ensuring seamless integration of streaming data into the recommendation pipeline
- **GPU Usage Metric Generator:** Developed a load balancer microservice from scratch using **Java**, **Spring Boot**, and **GKE**, optimizing resource utilization through pod autoscaling on Google Kubernetes Engine (GKE). Integrated GPU metrics retrieval via the Kubernetes Metrics API to generate custom metrics for monitoring GPU resource usage within the cluster.

SDE (MG01A)

Paytm | Fintech

01/2021 - 02/2022

- **Ledger Service:** Developed a scalable ledger service exposing REST APIs for wallet transaction history with pagination, filters, and export functionality. Ensured ACID compliance, optimized DB queries with indexing and Redis caching, and implemented cursor-based pagination for performance under high load.
- **Tech Stack:** Java, Spring Boot, MySQL, Redis, Kafka, REST APIs

Achievements

- Graduated with highest distinction: First Division with Honors
- Solved **200+** problems in **Data structures and Algorithms** on leetcode and other coding platforms.([profile](#))
- Got certification in Problem solving by Hackerrank, **4 star rating** at Hackerrank in problem solving ([@saty5685](#))

Mentorship

- As a team leader for a backend development team, helped my team members to grow and develop their skills. Utilized my technical expertise to mentor team members, **resolve technical issues**, **conduct code reviews**, and provide valuable feedback for improvement.

Education

B.Tech | Information Technology | 82.9%

NIET, Gr.Noida

2017 - 2021