Satyam Kumar Mishra

satyamkumarmishra2005@gmail.com linkedin.com/in/satyam github.com/satyamkumarmishra2005

Professional Summary

Backend Developer skilled in Java, Spring Boot, and Microservices, with hands-on experience building containerized systems using Docker & Kubernetes. Proficient in event-driven architectures (Kafka, RabbitMQ) and secure API development (JWT, OAuth2, Keycloak) with experience deploying services on AWS.

Education

Dronacharya College of Engineering **Gurugram, Haryana**

Bachelor of Technology in Computer Science and Engineering *Aug 2023 - Aug 2027*

Projects

Eazy Bank – Microservices Based Banking System | *GitHub* **Spring Boot | Kafka | Docker | Kubernetes**

- Designed and implemented a cloud-native digital banking platform composed of 4 independently deployable microservices (Accounts, Cards, Loans, Messaging) following domain-driven design principles
- Implemented Spring Cloud Config Server for centralized configuration management, enabling environment-specific configuration updates without service redeployments
- Integrated Apache Kafka to enable asynchronous, event-driven communication, reducing tight coupling between services and improving system resilience
- Containerized all services using Docker and deployed them on Kubernetes, leveraging orchestration features such as self-healing, rolling updates, and automated restarts to improve availability and fault tolerance

RapidAid – Emergency Response Management System | *GitHub* **Spring Boot | Kafka | Keycloak | PostgreSQL**

- Built a microservices-based emergency response platform enabling real-time incident reporting, responder allocation, and notification workflows
- Implemented a dedicated User Service integrated with Keycloak, providing secure authentication, authorization, and role-based access control (RBAC) across services
- Designed an event-driven architecture using Kafka to decouple incident intake, responder assignment, and notification services, improving scalability and reliability
- Developed responder state lifecycle management (Available → Assigned → Dispatched) with automated notifications to ensure consistent state transitions under concurrent incidents

MediSort – Medicine Management System | *GitHub* **Spring Boot | PostgreSQL | Cloudinary | AWS**

- Developed a medicine management backend to organize prescriptions from PDFs and images with structured metadata storage and efficient retrieval
- Implemented backend scheduling for dose reminders with escalation logic and user acknowledgment tracking, improving medication adherence workflows
- Designed automated medicine end-date calculation and stock-based refill prediction, dynamically recalculating schedules based on dosage and inventory changes
- Deployed the application on AWS, hosting backend services on Amazon EC2, using Amazon RDS (PostgreSQL) for persistent storage and Route 53 for domain-based routing
- Integrated Cloudinary for secure cloud-based document storage, enabling scalable uploads, access control, and reliable delivery of medical documents via backend APIs

Technical Skills

Languages: Java, SQL

Frameworks & Libraries: Spring Boot, Spring MVC, Spring Security, Spring Cloud, Spring Data JPA

Databases: PostgreSQL, MySQL

Backend Architecture: RESTful APIs, Microservices, API Gateway, Eureka

Security: Keycloak, OAuth2, JWT, Role-Based Access Control

DevOps & Tools: Docker, Kubernetes, Helm, Git, Maven, Postman, RabbitMQ, Kafka

Cloud & Integration: Cloudinary, AWS

Awards & Achievements

Smart India Hackathon (SIH) 2025 Finalist, selected among top teams nationwide for solution design and technical implementation

Secured 5th position in an IDE bootcamp