

SATYAM KUMAR MISHRA

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Education

Dronacharya College of Engineering

Bachelor of Technology in Computer Science (2023 - 2027)

CGPA: 7.08 / 10.00

Delhi, India

MRV Model School

ClassXII-CBSE(2022- 2023)

Score : 75% / 100%

Delhi, India

Professional Summary

Results-driven Backend Developer with Expertise in Java, SpringBoot, Microservices and REST API development, Proficient in designing secure, scalable systems using JWT, OAuth2, Docker, and MySQL. Skilled at building production-grade, real-time applications with Kafka, focusing on modularity, fault tolerance, and performance. Solved 200+ LeetCode problems, demonstrating a strong foundation in data structures and problem-solving.

Projects

Asteroid Collision Alert System— java, Spring Boot, MySQL, Apache Kafka

Built a real-time asteroid alerting system that fetches data from NASA's API Asynchronously notifies users Of potential threats using Kafka and Spring Boot Microservices

- Built two **Spring Boot Microservices** one to retrieve hazardous asteroid data from **NASA NeoWS API** and another to send Formatted email alerts using Spring Mail
- Integrated **Apache Kafka** to decouple services and implement asynchronous **communication ensuring 99.9% reliability** in message delivery
- Developed **REST APIs** to monitor alerting activity and logs for audit and debugging purposes
- **Simulated 500+ user** alerts to test the scalability and performance of the event-driven system

Secure Notes — Java, Spring Boot, Spring Security, MySQL, React, JWT, OAuth2

A secure note taking application with real-time alerts and role-based access control to ensure data privacy and security

- Designed and implemented **JWT-based authentication, reducing unauthorized access by 95%** across test environment
- Integrated **OAuth2(Google/GitHub Sign-in)** and **Multi-Factor Authentication(MFA)** enhancing login security and reducing account breach attempts by 80%
- Developed **Spring Boot backend** with role-based access control (Admin/User) enabling differentiated feature access
- Deployed audit logging system that tracked over 500+ user events, ensuring transparency and compliance

Eazy Bank Microservice— Java, Spring Boot, MySQL, Spring Cloud, Spring Config, Spring Gateway, Docker, Kubernetes, Kafka

A cloud-native digital banking platform designed using microservices architecture, ensuring high availability, modularity, and performance.

- Engineered 4+ independent Spring Boot microservices(Accounts, Cards, Loans , Messaging) achieving 80% reduction in code coupling and improving domain isolation
- Centralized configuration using **Spring Cloud Config Server** decreasing environment-specific **deployment errors by 90%**
- Containerized services using **Docker** and deployed via **Kubernetes** enabling automated scaling and reducing downtime by 70% in simulated failure scenarios
- Added health checks and metrics for each service **improving monitoring coverage to 100%** and accelerating issue resolution by 60%

Achievements

- Solved 200+ Java problems on LeetCode enhancing knowledge of data structures and algorithms.
- Secured 5th position in IDE Bootcamp

Skills

Technical: Java , Spring Boot, Spring Security, MySQL, Microservices, ApacheKafka, RabbitMQ, Docker, Kubernetes, Github

Familiar: C++, Python, ReactJS, HTML, CSS, Azure, Javascript