Tushar Biswas

Kafka Administrator

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Summary

Motivated and detail-oriented Kafka Administrator with 3+ years of experience managing distributed systems in production. Skilled in installing, configuring, and maintaining Apache Kafka clusters, including managing topics, partitions, replication, and access controls. Experienced in CI/CD pipelines, automation, and monitoring, with a proven record of improving reliability, reducing downtime, and optimizing performance. Adept at implementing security best practices and supporting mission-critical applications in dynamic enterprise environments.

Technical Skills

- **Kafka Ecosystem:** Confluent Kafka, Apache Zookeeper, Kafka Streams, Kafka Connect, ksqlDB, Schema Registry
- **DevOps Tools:** Jenkins, Docker, Git, Kubernetes
- **Cluster Management:** Cluster Scaling, Performance Tuning, Data Replication
- **Security:** SSL/TLS, SASL, Kerberos
- **Monitoring Tools:** AppDynamics, Splunk, Prometheus, Grafana
- **Scripting:** Shell
- **Platform:** Linux
- **Ticketing Tool:** ServiceNow

Experience

Kafka Administrator - Cloud & Infra   July 2022 – Present
LTIMindtree Limited   *Pune, India*

- Managed and supported Confluent and Apache Kafka clusters across multiple environments (Dev, QA, UAT, and Production), including setup, configuration, scaling, and maintenance.
- Streamlined broker, topic, and partition configurations to achieve high throughput and low latency for business-critical data pipelines.
- Proactively monitored cluster health, broker performance, and consumer lag using Prometheus/Grafana, resolving bottlenecks to ensure SLA compliance.
- Implemented security controls with SSL/TLS and SASL authentication to ensure secure communication and access management across enterprise systems.
- Performed Kafka upgrades and patching (versions 6.x and 7.x) with minimal downtime, ensuring high availability and stability.
- Designed and maintained disaster recovery (DR) plans for business continuity in mission-critical deployments.
- Configured and administered Kafka Connect (source & sink connectors) to integrate external systems with Kafka, ensuring reliable and scalable data streaming.
- Worked with ksqlDB and Schema Registry for real-time stream processing, schema evolution, and governance.
- Collaborated with developers, application teams, and stakeholders to design and optimize data streaming solutions.
- Created and maintained operational runbooks, documentation, and troubleshooting guides, enabling efficient cross-team support.
- Automated Kafka operational tasks (user provisioning, topic creation, monitoring alerts) using Shell scripting and CI/CD pipelines.

Certifications

Cloud Practitioner - AWS (Issued Jun 2025 · Expires Jun 2028)

Azure Fundamentals - Microsoft (Issued Sep 2022)

Education

Technique Polytechnic Institute   Hooghly, India
Diploma in Computer Science and Technology   *2019 – 2022*

Uttarpara Govt. High School   Hooghly, India
Higher Secondary Certificate (Commerce)   *2017 – 2019*