

Sneha Gupta

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Professional Summary

Platform-oriented backend engineer with 5 years experience in distributed systems and data pipelines. Specializes in Python and JVM stack; focuses on resilience, cost optimization, and developer productivity.

Professional Experience

Platform Engineer – Aurora Systems, Remote (May 2022 – Present)

Remote

- Built internal Python SDK for service discovery and secrets, adopted by 10+ teams.
- Drove Kafka consumer rebalancing strategy, eliminating hot partitions and saving ~20% compute.
- Set up self-service CI templates with reusable jobs, reducing build times by 30%.

Backend Engineer – NorthPeak Digital, Noida (Jul 2019 – Apr 2022)

On-site

- Implemented ETL jobs in Apache Airflow to sync operational data to Redshift.
- Refactored monolith into domain-oriented services with FastAPI; improved deploy frequency from weekly to daily.
- Introduced chaos testing in staging to validate circuit breakers and timeouts.

Education

M.Tech in Computer Science – MNIT Jaipur (2017 – 2019)

Thesis on fault-tolerant microservices

Technical Skills

Languages & Frameworks: Python, Java, FastAPI, Spring Boot

Cloud & Tools: AWS (EKS, SQS, Lambda), Docker, Terraform, Airflow, Kafka, Datadog

Databases: PostgreSQL, DynamoDB, Redshift

Practices: Distributed systems, Resilience patterns, Cost optimization