

YASHIKA CHAUDHARY

Senior Product Engineer, Distributed Systems | IIT BHU

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Bengaluru, IN

WORK EXPERIENCE

Sprinklr

July 2022-Present

Gurgaon, India

- Owned Integrations module end-to-end, designing resilient Java microservices with gRPC/REST for Salesforce, Zendesk, and Dynamics 365, ensuring seamless workflows and SLA compliance.
- Delivered multiple go-lives by leading design, testing, and deployment. Acted as DRI, using tracing, logging, and metrics to resolve incidents and ensure high availability.
- Led ServiceNow CRM integration, standardizing event-driven patterns with Kafka, gRPC, and GraphQL, improving scalability, reliability, and reducing integration effort.
- Deployed services on AWS with Kubernetes/Docker, implementing CI/CD, observability, and auditing pipelines; mentored engineers and drove reviews to raise design quality.

Senior Product Engineer

Indian Institute of Technology, Roorkee

May - July 2019

Roorkee, India

- Analyzed satellite data to estimate solar irradiance across 50+ regions, achieving 90% correlation with NASA benchmarks without ground measurements.
- Processed high-resolution spatial data using QGIS, ArcGIS, and Pix4D, improving accuracy in solar energy assessment and delivering a 25% efficiency gain.

Summer Research Intern

PROJECTS

CRM/Digital Asset Management (DAM) Connectors

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- Developed Salesforce Pub/Sub integration using bi-directional gRPC/HTTP 2, building fault-tolerant streaming consumers to reliably process high-volume event subscriptions at scale.
- Built secure authentication and webhook services for real-time sync; introduced a Kafka-driven failure notification pipeline, enhancing resilience, monitoring, and customer visibility.
- Redesigned DAM connector architecture, consolidating fragmented builds and reducing resource usage by 50%, while improving scalability, maintainability, and onboarding efficiency.

Webhooks/Authorization Frameworks

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- Redesigned webhook architecture with Elasticsearch-based monitoring, boosting observability and fault tolerance across 22M+ daily events.
- Added payload diffing to improve traceability and eliminate redundant updates, achieving an 80% improvement in processing efficiency.
- Built a secure API Keys service using OAuth 2.0 (auth code grant) and Mashery, strengthening authentication, compliance, and system-wide access control.

AI-Powered Dashboard Summarization System

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- Developed an AI-driven summarization platform with GPT-4o, unifying diverse data sources into concise, actionable dashboards for business users.
- Applied scalable system design to integrate APIs, preprocess data, and deliver real-time insights that accelerated decision-making.
- Ensured pipeline reliability and observability, leveraging distributed systems patterns, caching, and message queues to productionize AI workflows at scale.

SKILLS

System Design & Core Expertise

Distributed Systems, Scalability, Reliability, Fault Tolerance, Networking, Event-Driven Architecture, API Design, Observability & Monitoring, Design Patterns

Programming Languages

Java, Python, C++, Groovy, SQL, Golang*

Backend

Java Microservices, gRPC/REST (HTTP/2), GraphQL, Webhooks, OAuth 2.0, API Gateways (Mashery), Caching, Data Modeling, Elasticsearch, MongoDB, Redis, MySQL, Idempotency & Retry Patterns

Cloud & DevOps

AWS (Lambda, S3, DynamoDB)*, Kubernetes, Docker, Helm, Apache Kafka, CI/CD (Jenkins/GitHub Actions), Git, Prometheus/Grafana, Elasticsearch (ELK)

AI & Data

GPT-4o integration, Data Pipelines, Big Data Processing, Geospatial Analysis (QGIS, ArcGIS, Pix4D), ML for Energy Estimation

Problem Solving

Data Structures & Algorithms (LeetCode Knight, Peak Rating 2008), Competitive Programming

*Elementary Proficiency

EDUCATION

Indian Institute of Technology, BHU

B.Tech+M.Tech

CGPA: 8.62/10

2017 - 2022

Varanasi, India

HONORS & AWARDS

-  Top 2.75% on LeetCode, Knight badge with peak rating 2008.

-  2nd Prize, Pixelate Robotics at Technex'18, IIT-BHU.

-  Top 1% selectee for SPARK Summer Research Internship, IIT-R.

-  Represented India at ACRS'19, South Korea; presented research on Solar Energy over Water Bodies of Uttarakhand.