

YASHIKA CHAUDHARY

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Bengaluru, IN

WORK EXPERIENCE

Sprinklr

Senior Product Engineer

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.

Indian Institute of Technology, Roorkee

Summer Research Intern

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**.

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**.