

# IRFAN IRSHAD

+91 895 340 2532 ◇ Hyderabad

[syscall4w@gmail.com](mailto:syscall4w@gmail.com) ◇ [github.com/irfanirshad](https://github.com/irfanirshad) ◇ [linkedin/irfanirshad](https://www.linkedin.com/in/irfanirshad) ◇ [systemdesigntalks.blog](https://systemdesigntalks.blog)

## OBJECTIVE

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Software Engineer with 5+ years in backend development and distributed system architecture, specializing in scalable, fault tolerant high-performance microservices. Seeking to drive product architecture and platform reliability in a global engineering team.

## EDUCATION

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**Master of Applied Science** , IIIT 2018 - 2020

Courses: Distributed Systems, Big Data

**Bachelor of Electronics and Communications** , IIIT 2014 - 2018

Courses: Data Structures and Algorithms, Operating Systems, Distributed Databases

## EXPERIENCE

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**Software Engineer** Aug 2023 - Current  
Infor Hyderabad, Telangana

- Delivered 60% throughput improvement by designing **RingMaster**, a cloud-native 5-stage data pipeline orchestrator using Python and Kafka, containerized and deployed on AWS EKS with auto-scaling Spark clusters.
- Led the development of **MeshFlow**, an automation platform with 100+ components, optimizing long-running jobs with failure handling, versioning, and real-time node completion status notifications.
- Provided technical mentorship and conducted peer code reviews for junior engineers to optimize ETL pipelines, addressed security findings in **SonarCloud**, and enforced CI/CD quality gates.
- Implemented and maintained CI/CD pipelines in **Jenkins** and GitLab, integrating automated testing, SonarCloud quality gates, and environment-specific deployments to Kubernetes (EKS).
- Built a RAG-driven knowledge and observability platform that combines LLM inference with vector database and Elasticsearch-backed retrieval, surfacing low-latency, context-aware insights on ETL services and routing usage analytics into Datadog and Pendo dashboards to highlight high-friction areas.
- Instrumented data pipelines and services with Grafana, Prometheus, **Datadog**, and Pendo, defining SLO-aligned dashboards and alerts that fed into Jira-based sprint planning and guided prioritization of incidents and product improvements across multiple teams.

**Software Engineer** May 2020 - June 2023  
SNE Realty Chennai, Tamil Nadu

- Engineered event-driven architecture integrating Apache Kafka with Python services for real-time property data synchronization, achieving **low-latency updates** and improved platform reliability.
- Developed a comprehensive Agent CRM platform using Django with RESTful and **GraphQL** APIs, featuring automated commission processing, performance analytics dashboards, and business intelligence reporting.
- Built scalable pub/sub messaging infrastructure using Redis, Server-Sent Events, and **Elasticsearch**-powered search for real-time property feed distribution with **high availability**.

## SKILLS

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<b>Technical Skills</b>	Python, PySpark, GraphQL, REST APIs, Elasticsearch, Redis, AWS, Kafka, Databases
<b>AI Skills</b>	RAG, LLMs, Vector Databases, PyTorch, Keras, Hugging Face Transformers
<b>Soft Skills</b>	Collaboration, Problem-Solving, Communication, Critical Thinking
<b>Tools</b>	GitLab, Jenkins, Jira, Docker, Kubernetes, SonarCloud, Grafana, Prometheus, Datadog, Pendo