

IRFAN IRSHAD

+91 895 340 2532 ◊ Hyderabad

sySCALL4W@gmail.com ◊ github.com/irfanirshad ◊ [linkedin/irfanirshad](https://linkedin.com/in/irfanirshad) ◊ systemdesigntalks.blog

OBJECTIVE

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

Master of Applied Science , IIIT Courses: Distributed Systems, Big Data	2018 - 2020
Bachelor of Electronics and Communications , IIIT Courses: Data Structures and Algorithms, Operating Systems, Distributed Databases	2014 - 2018

EXPERIENCE

Software Engineer Infor	Aug 2023 - Current <i>Hyderabad, Telangana</i>
<ul style="list-style-type: none">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 SNE Realty	May 2020 - June 2023 <i>Chennai, Tamil Nadu</i>

- 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

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