

# IRFAN IRSHAD

+91 895 340 2532 ◇ Hyderabad

[irfanirshad003@gmail](mailto:irfanirshad003@gmail.com) ◇ [linkedin.com/in/irfanirshad](https://www.linkedin.com/in/irfanirshad) ◇ [bytehaven.blog](https://bytehaven.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 shape product architecture.

## 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 200+ components, optimizing long-running jobs with failure handling, versioning and real-time status notification emails.
- 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

**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 comprehensive Agent CRM system using Django with **RESTful APIs**, featuring automated commission processing, performance analytics dashboards, and business intelligence reporting.
- Built scalable pub/sub messaging infrastructure using Redis and Server-Sent Events for real-time property feed distribution with **high availability**.

**Software Engineer, Associate** Sep 2018 - December 2019  
Al Watad Medical Jeddah, Saudi Arabia

- Increased operational efficiency by 40% through development of **automated** inventory management system using Python Flask with integrated tracking and reporting capabilities.
- Contributed to large-scale data modernization project, migrating 1TB+ legacy PII datasets to event-driven microservices architecture using Python, Apache Kafka, and PostgreSQL with data validation pipelines.
- Automated **schema validation** for Kafka topics, ensuring compatibility across systems and eliminating 90% of data format-related failures.

## SKILLS

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<b>Technical Skills</b>	Python, Flask, Node.js, PySpark, AWS (EC2, S3, EMR, EKS), Kafka, MongoDB, SQL
<b>Soft Skills</b>	Collaboration, Problem-Solving, Leadership, Communication, Critical Thinking
<b>Tools</b>	GitLab, Docker, Kubernetes, SonarCloud, Grafana, Prometheus, Datadog

## PORTFOLIO

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**Github:** [github.com/irfanirshad/](https://github.com/irfanirshad/)