IRFAN IRSHAD

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OBJECTIVE

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

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

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

Technical Skills	Python, Flask, PySpark, AWS (EC2, S3, EMR, EKS), Kafka, MongoDB, PostgreSQL
Soft Skills	Collaboration, Problem-Solving, Leadership, Communication, Critical Thinking
Tools	GitLab, Docker, Kubernetes, SonarCloud, Grafana, Prometheus, Datadog

PORTFOLIO

Github: github.com/irfanirshad/