

Bhargav Bhandari

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Professional Summary

Data Engineer with practical experience in designing, deploying, and optimizing scalable data infrastructure. Proficient in **Python, SQL, Apache NiFi, Kafka, Debezium, Spark, and Kubernetes**. Demonstrated success in pipeline orchestration, observability, and automation through collaboration with AI/ML teams and cross-functional stakeholders.

Technical Skills

- **Programming:** Python, SQL, HTML, CSS
- **Data Platforms:** Apache Spark, Kafka (Strimzi), Delta Lake
- **ETL & Orchestration:** Apache NiFi, Debezium, Dagster, Supabase
- **Infrastructure & DevOps:** Kubernetes, Docker, Nginx, MinIO
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Monitoring & Observability:** Prometheus, Grafana, Loki
- **Developer Tools:** Git, Linux CLI, REST APIs

Professional Experience

Nuvo AI Pvt. Ltd.

June 2024 – Present

Data Engineer

- Designed and deployed an on-premises Kubernetes cluster supporting key applications and databases (MySQL, PostgreSQL, Elasticsearch). Collaborated closely with AI/ML engineers to ensure smooth migrations and optimize post-deployment performance.
- Designed and maintained complex Python-based **Dagster pipelines**, integrating **Grafana, Prometheus, Loki, and MinIO** to provide observability and monitoring for research-driven workflows.
- Implemented **Dynamic Volume Provisioning** and automated storage solutions, reducing manual intervention and improving scalability.
- Conducted PoCs for new technologies including Debezium, Supabase, RavenDB, Dagster, and JupyterHub, introducing practical, production-ready infrastructure components.
- Designed modular and fault-tolerant data pipelines with resume support, batching, and parallelized ingestion for Omics datasets; integrated ethical web scraping workflows using DrissionPage and Selenium.
- Took ownership of the full application lifecycle, including deployment, management, and troubleshooting for critical systems (Elasticsearch, ClickHouse, Dremio, QuestDB), ensuring alignment with project goals and minimal service disruption.
- Researched, tested, and implemented robust solutions for platform challenges involving configuration, storage, and database migrations, reducing operational risk.
- Enhanced hands-on expertise in distributed systems, workflow automation, and observability stacks through continuous learning and applied practice.

Education

Bachelor of Engineering in Computer Science — Laxmi Institute of Technology

2021–2024

CGPA: 7.99

Diploma in Computer Science Engineering — Government Polytechnic Daman

2018–2021

CGPA: 8.63

Professional Objective

To apply advanced data engineering principles to create efficient, reliable, and observable data platforms that drive research, analytics, and business outcomes through innovation and collaboration.

Additional Information

Strong communication, leadership, and problem-solving skills. Experienced in automation, observability, and distributed data systems with a focus on scalable, maintainable solutions.