

MONISH K S

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Bengaluru, India

Professional Summary

Aspiring Backend developer with hands-on experience in building distributed and real-time data processing systems using Java and Spring Boot. Experience working with event-driven architectures, asynchronous processing, analytics APIs, monitoring dashboards, containerised services, and search-based data retrieval systems. Strong understanding of backend system design, streaming workflows, RESTful services, debugging, and infrastructure concepts through practical software engineering and problem-solving experience.

Education

MVJ College of Engineering

Bachelor's of Engineer in Computer Science and Engineering (Data Science)

2023-2027

Bengaluru, India

GPA: 9

Projects

Log Analytics Platform (JAVA, Spring Boot, Apache Kafka, Apache Lucene, Grafana)

May 2026 - June 2026

- Built a distributed real-time log analytics platform using event-driven architecture and asynchronous data processing.
- Designed a streaming pipeline for ingesting, processing, storing, and analyzing log data in real time.
- Implemented anomaly detection based on dynamic error-rate analysis and operational metrics.
- Developed full-text search functionality for fast retrieval and filtering of log records.
- Containerized multi-service infrastructure and integrated monitoring dashboards for observability and analytics.
- Created REST APIs for analytics, metrics aggregation, search, and operational monitoring.
- Wrote unit tests for analytics and anomaly detection workflows using mocking frameworks.

Voltstream - EV Grid Intelligence Data Pipeline (Python, Databricks, OpenWeather API, PowerBI)

March 2026 - May 2026

- Designed and implemented a multi-layered data pipeline for processing EV charging station and weather datasets using medallion architecture principles.
- Built scalable ingestion and transformation workflows for handling nested and semi-structured data from external APIs.
- Developed data cleaning, deduplication, and historical tracking mechanisms to improve data reliability and consistency.
- Implemented geospatial enrichment and risk-scoring logic to identify potential charging station downtime caused by weather-driven grid strain.
- Designed analytical data models and business intelligence workflows for operational monitoring and decision support.
- Optimized data processing workflows for efficient API utilization, incremental updates, and scalable transformations.
- Worked with distributed data processing, pipeline orchestration concepts, dimensional modeling, and analytics-focused system design.

Job Recommendation System (Python, Flask, ElasticSearch, RapidAPI, Docker)

October 2025 - November 2025

- **Architected** scalable backend workflows utilizing **microservices** architecture for **authentication, recommendation processing, search operations, and job management** features, **enhancing system throughput by 30%** and **improving fault tolerance**.
- Built support for real-time recommendation retrieval, saved jobs, application status tracking, and resume management.
- Implemented resilient fallback recommendation logic to maintain functionality even when external search services are unavailable.
- Developed backend services for resume processing, authentication, job tracking, and recommendation management.
- Implemented scalable search, filtering, and skill comparison workflows for improving recommendation relevance.
- Designed backend workflows for authentication, recommendation processing, search operations, and scalable job management features.

Technical Skills

Programming Languages: JAVA, Python, SQL

Frameworks and Tools: Spring Boot, Git, Docker, Kafka