KRISHNA NIMBALKAR

✉ kgn272000@gmail.com 📞 +91 7020390678 in linkedin.com/in/krishnanimbalkar/ ⚙ github.com/MasterZesty

EXPERIENCE

Data Engineer I
Schlumberger

📅 Nov 2023 - Present   📍 Pune, India

- Designed and implemented batch data pipelines to process structured data by integrating more than 10 million raw records from 5+ data sources using BigQuery and Airflow.
- Led the migration from Python 3.6 to Python 3.10 for Google Cloud Functions used to ingest data into our project from various sources.
- Maintained and supported 10+ existing data pipelines.

- -

Associate Software Engineer
Schlumberger

📅 Aug 2022 - Nov 2023   📍 Pune, India

- Built data pipelines by developing approximately 10 Python DAGs and over 50 tasks for Airflow / Google Cloud Composer, leveraging its powerful orchestration capabilities to schedule and execute BigQuery ETL SQL scripts for seamless data extraction, transformation, and analysis, ensuring reliable and timely data processing.
- Implemented automated code analysis and open source security management by integrating SonarQube and WhiteSource into the Azure DevOps CI/CD pipeline, ensuring early detection and resolution of code quality issues and vulnerabilities.
- Developed a Python-based solution utilizing the python requests module to extract data from an internal data source using APIs. Processed the data using pandas data frame and loaded it into GCP BigQuery. Deployed the codebase on Google Cloud Functions and scheduled it via Google Cloud Scheduler for regular data loading.

TECHNICAL SKILLS

- **Languages:** Python, SQL
- **Technologies:** Google Cloud Platform, BigQuery, Cloud Composer/Airflow, Google Cloud Functions, Google Cloud Scheduler
- **Frameworks/Libraries:** Django, Flask, FastAPI
- **Tools:** Git, VS Code, Azure DevOps
- **Databases:** MySQL
- **Other:** Data structures and Algorithms
- **Certifications:** Google Cloud Certified Associate Cloud Engineer, Google Cloud Certified Professional Data Engineer

PROFILE LINKS

- LeetCode : https://leetcode.com/KrishnaNimbalkar/
- GitHub : https://github.com/MasterZesty
- Linkedin : https://www.linkedin.com/in/krishnanimbalkar/
- GFG : https://auth.geeksforgeeks.org/user/kgn272000/profile

EDUCATION

Bachelor of Engineering - 9.71/10 CGPA
Savitribai Phule Pune University

📅 June 2018 - June 2022

PROJECTS

API rate limiter: [Github](#)

- Implemented a custom rate limiter middleware using the Token Bucket algorithm.
- Utilized python decorators to configure rate limits dynamically with parameters.
- Implemented individualized rate limits for users alongside global limits.
- Conducted load testing under various traffic conditions.

URL shortener with analytics: [Github](#)

- Developed API endpoints for URL shortening and expansion, including custom alias availability checks.
- Implemented additional features such as URL analytics, URL deletion.
- Included API documentation endpoint using Swagger.

Log Ingestor With Query Interface : [Github](#)

- Developed a scalable Log Ingestor and Query Interface using Python, Kafka, Flask, and MySQL. Manages extensive log data efficiently, enabling simplified querying through selectable attribute filters.
- The Log Ingestor, developed in Python using Flask, includes a Log Publisher Service with an API endpoint that receives and parses JSON log data, pushing it to a Kafka topic.
- Another service, Log Consumer, subscribes to Kafka topic, storing logs in the primary database through Flask in Python.
- The Query Interface features an intuitive user interface developed with HTML, Tailwind CSS and JavaScript. It allows users to select specific attributes for querying, streamlining log data retrieval.

EXTRACURRICULAR

- Awarded the 2022 best outgoing student award among 210+ students for outstanding performance in academics, co-curricular and extra curricular.
- Winner of innovative project competition at university level.
- Solved over 250+ LeetCode data structure and algorithm problems.