

NIKHIL M

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PROFESSIONAL SUMMARY

Experienced Data Engineer with over 5 years of demonstrated expertise in designing, developing, and maintaining robust data infrastructure and pipelines. Proficient in translating business requirements into scalable and efficient data solutions. Proven track record of collaborating with cross-functional teams to drive data initiatives, improve data quality, and enable informed decision-making. Strong analytical and problem-solving skills combined with a deep understanding of data modelling, warehousing, and performance tuning.

SKILLS

Programming Languages: Python
Frameworks: Flask, PySpark, Pandas, DBT
Data Warehouse/Databases: Snowflake, Postgresql
Container: Docker
Cloud: AWS (S3, Glue, EC2, Lambda, RDS, ElastiCache, ECR,)
Version Control: GIT

WORK HISTORY

01/2022 - Present Lead Software Engineer

Persistent Systems - Bengaluru, India

- Architect, develop, and maintain data pipelines on **AWS** for batch data processing, resulting in improved data availability.
- Building ETL pipelines using **S3, Glue, lambda** for transforming data via PySpark and using **Snowflake** as a Data Storage layer.
- Building data ingestion pipeline in **Snowflake** using **AWS SQS, Snowpipe** and **stages in Snowflake**
- Optimised SQL queries running on **RDS** and data transformation processes to improve performance and reduce query execution times.
- Containerize and deploy data processing applications using **AWS ECR**(Elastic Container Registry).

- Implement serverless data processing workflows with **AWS Lambda**, reducing operational overhead.
- Collected, cleaned and transformed data using Python **Pandas** library and used the same for data analysis.
- Implemented RESTful APIs with **Flask** to enable seamless data access and integration between applications.

03/2020 - 12/2021 Backend Engineer

DigiCollect - Bengaluru, India

- Collaborating with cross-functional teams for functional and non-functional requirements that align with business domains and deliver features iteratively.
- Refactoring the existing monolith codebase to follow microservice patterns, incorporating REST API standards for the whole application.
- Integrated storage services from **GCP** to be used across the org and by the clients. Implemented new features such as Serverless code to handle compression for large files while downloading it.
- Designed and implemented load test application using **locust.io** framework as an internal tool for backend applications in the org. The primary goal of this application is to test individual API endpoints of projects and record the request-response time cycle. The calculated cycle should not exceed **5s**.
- **Socket.io** library integration in Chat application for real-time communication between users at the client-side and communication between the client-side and server-side.
- Built an HRMS application for the organisation from scratch which is responsible for allowing communication between employee and employer.

05/2018 - 11/2019 Software Engineer

Cerner - Bengaluru, India

- Debugging the existing code to detect bugs and provide a fix while keeping dependencies in check.
- Primarily optimising code for performance reasons where the amount of time taken to represent thousands of data should be less than 10 seconds.

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EDUCATION

- 08/2015 - 07/2018 Master of Computer Applications
R. V. College of Engineering - *Bengaluru, Karnataka*
CGPA: 7.7
- 06/2012 - 06/2015 Bachelors of Computer Applications
Sri Bhagawan Mahaveer Jain College - *Bengaluru, Karnataka*
CGPA: 8.3

PROJECTS

- Developing and bringing to life an analytics dashboard centered around insights derived from the Uber dataset.
- Data ingested to multiple sources(RDS, DynamoDB, hive) and querying it with presto
- Cross-platform media access: This project aims at developing a server to host all the downloaded media to several devices connected to the network. Only the registered devices connected will be able to access the media storage.