

Pallavi H R

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Career Summary

Dedicated Data Engineer with over a year of experience in building and optimizing data pipelines. Expertise in ETL processes, Big-data technologies, and cloud platforms, enhancing data quality and analytics

Professional Experience

Data Engineer (Mfine, Bengaluru)

[12/10/2023 – Present]

- **Worked on various data warehouse projects**, onboarded new tables and updating existing ones to add columns for various new events.
- **Led the development of a generic tenant onboarding model** using Oops concepts, allowing seamless onboarding of tenants with both general and tenant-specific attributes, reducing integration time and effort
- **Led a project to push data to Big Query Tables** from the ETL service for a client.
- **Optimized the in-house ETL service** for greater cost effectiveness
 - Previously, we had two separate services:
 - One for publishing Transformed messages to SNS, which SQS subscribed to
 - Another that read messages from SQS, wrote them to local disk, and synced with S3 daily.
 - I've optimized the in-house ETL service by migrating the Java-based service functionality to Node.js ETL service, consolidating both into a streamlined solution.
 - This integration helped to reduce costs associated with SNS, SQS, and maintaining the separate service
- **Implemented duplicate handling** for service-raised events in the ETL using Redis, cutting unnecessary storage and data transfer costs for duplicate data.
- **Developed and scheduled Cron jobs** to automate data delivery via email using Python scripts
- **Created partitions for transactional data tables** and added indexes to improve query performance
- **Automated the process of dropping old partitions** using a Python script, optimizing storage and performance.
- **Resolved query issues raised by the analyst team** and assisted in optimizing their queries, leading to improved performance.
- **Managed database access controls** for enhanced security and data management.
- **Skills Used:** Node.js, Python, Java, PostgreSQL, Database Management, ETL, Big Query, Git, Redis, Cron
- **Software Used:** Visual Studio code, Bitbucket, Athena, Amazon s3, DBeaver, SNS, SQS, AWS Glue

Data Engineering Intern (Mfine, Bengaluru)

[11/04/2023 – 10/10/2023]

- **Contributed to data warehouse projects**, including onboarding new tables and adding new columns to existing tables.
- **Assisted the Analyst team** in writing optimized queries to improve performance.
- **Developed an employee management website** as part of a mini project:
 - Enabled employee onboarding and management via website.
 - Admins can add and remove employees, interacting with employee, manager, and admin tables stored in PostgreSQL.
 - Utilized **HTML, CSS, and Node.js** for the development.
- **Skills Used:** Node.js, Python, PostgreSQL, Database Management, ETL, Big Query, HTML, CSS
- **Software Used:** Visual Studio Code, Bitbucket, Athena, Amazon S3, DBeaver

Technical Skills

- **Programming Languages:** Node.js, Python, SQL, Java
- **ETL Tools:** AWS Glue
- **Big Data Technologies:** Google Big Query
- **Data Warehousing:** Google Big Query, Amazon Athena
- **Databases:** PostgreSQL, MySQL
- **Cloud Platforms:** AWS (S3, EC2, SNS, SQS)
- **Web Technologies:** HTML, CSS, JavaScript, Node.js, REST APIs
- **Data Modelling:** Fact and Dimension Tables
- **Containerization & Orchestration:** Docker
- **Version Control & Collaboration:** Git, Bitbucket, JIRA, Confluence
- **Operating Systems:** Linux, Windows
- **Scripting & Automation:** Cron Jobs, Python Scripts

Education

Bachelor of Technology in Computer Science and Engineering
Gitam University, Bengaluru
CGPA: 8.6

[2019 – 2023]

Languages:

- English (Fluent), Kannada (Fluent), Telugu (Fluent), Hindi (Intermediate)

Certifications:

- Certified in **Python Course** Offered by **Navin Reddy** Via **Udemy**
- Certified in Talent Next Course on **Java** Offered by **Wipro**.
- Certified in **Cloud Computing** Offered by **Duke University** Via **Coursera**

Declaration:

All the above information is correct up to my knowledge and I bear the responsibility of the correctness.
Pallavi H R