

Abhinand H

Analyst

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Experienced Analyst adept at leveraging Python to automate tasks, construct robust APIs, develop back-end components for web applications, and engineer scalable data ingestion solutions across Google Cloud and Microsoft Azure cloud platforms. With over 2 years of hands-on experience, proficient in Pandas, MySQL, FastAPI, Google-BigQuery. Passionate about creating efficient solutions that streamline processes, enhance productivity, and drive business outcomes

Experience

Application Development Analyst, Accenture

Sept 2021 – Present

- Developed a FastAPI application integrated with Google BigQuery to automate the retrieval of Stored Procedure definitions and details of reference tables. Implemented analysis algorithms to identify optimisation opportunities within stored procedures, providing users with actionable recommendations to enhance performance, significantly reducing manual effort and associated costs.
- Designed and implemented Python scripts leveraging google-cloud-storage and azure-storage API's to transform and ingest data into Google Cloud Storage and Azure Data Lake, ensuring seamless integration and efficient data processing
- Developed an automated data ingestion quality check module which performed validation between data in Google Cloud Bucket and BigQuery datasets in accordance to Technical Design Document resulting in reduction of manual validation effort
- Developed a Python-based automation tool to review BigQuery object definitions, identifying and flagging performance issues due to poorly written code and ensuring adherence to coding standards.
- Developed Python-based data validation tool for Google BigQuery, enabling comparison of schema and data integrity between source and target tables.
- Developed Python scripts to migrate SAP tables to Google cloud storage via Aecorsoft Data integrator, enabling efficient data transfer and enhancing data analytics capabilities

Skills

- Programming Languages: Proficient in Python, with expertise in utilizing libraries such as Pandas, Numpy and TensorFlow for data manipulation, analysis, and machine learning tasks.
- Back-end Development: Skilled in building robust APIs and back-end systems using frameworks like FastAPI and Flask, ensuring seamless communication between front-end and database
- Cloud Platforms: Proficient with Google BigQuery, Google Cloud Storage, Compute Engine. Implemented scalable data ingestion pipelines on Google Cloud Platform and Azure Cloud
- Data Management: Experienced in SQL for database querying and manipulation, adept at designing and optimizing database structures for efficient data retrieval and storage.
- Communication: Effective communicator with the ability to convey technical concepts to non-technical stakeholders, ensuring collaboration and understanding across teams
- Training and Mentoring: Actively contributed to the training and development of new team members, providing support to help them integrate smoothly into their roles.

Education

JSS Academy of Technical Education, Bangalore

2017–2021

- Bachelor of Engineering, Information Science
- GPA: 4.00

Certifications

- Microsoft Certified : Azure Fundamentals