



Email

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Address

Bengaluru, Karnataka
India

Satyam Chaturvedi

Senior Data Engineer

Highly motivated Data Engineer with ~5 years of experience designing, building, and maintaining robust data pipelines for Analytics and Gen AI initiatives. Proven ability to leverage cloud platforms (Azure, GCP, AWS) and big data technologies (Airflow, Spark, Python, SQL) to transform raw data into actionable insights. Passionate about automation and streamlining data workflows to enhance efficiency and reduce costs.

Experience

Oct 2020 - Present, *BTS Associate Consultant, ZS Associates*

- Created end-to-end data pipeline projects for Fortune 500 clients across domains, ensuring seamless data processing from ingestion to visualization.
- Led the data modeling process, implementing advanced techniques to structure and optimize data for analytical purposes, resulting in enhanced insights and decision-making capabilities.
- Developed and maintained Extract, Transform, Load (ETL) jobs, employing Python-based frameworks and leveraging distributed processing technologies like Apache Spark to handle large-scale data transformations efficiently.
- Orchestrated complex workflows using Apache Airflow, streamlining data workflows and ensuring timely execution of data processing tasks.
- Implemented robust data visualization solutions by integrating with tools like Apache Superset, PowerBI, etc. providing stakeholders with intuitive UI dashboards for real-time monitoring and analysis of key metrics.

Key Projects

- **Beyond Healthcare - Personalize.AI Team:** Worked for Consumer and Retail Clients by developing & maintaining 50+ complex data pipelines, consuming data from various sources, transforming and visualizing on UI dashboards.
- Tasks include- Data Ingestion, ETL jobs, Pipelining and Reporting using Apache Spark, Iceberg, Superset, SQL, and PowerBI.
- **Healthcare - RWD & Advisory Team:** Led a team to create an in-house product which integrates RWD - SP & PSP data sources and reports KPI metrics on visualization tools (Tableau, PowerBI).
- Tasks include - Data Designing & Modeling, ETL and Reporting.
- **Healthcare - RWD & Advisory Team:** Worked on various analytical projects for various Pharma related use cases from different Claims data sources like - Symphony, Optum & Komodo (US) on use cases like - KOL Identification, Market Sizing, Patient Journey, etc.
- Created multiple accelerators (tools) to automate the process of analysis which includes use cases like - Market sizing, Segmentation, Patient Journey, Data excellence, etc.
- Certified & Developed expertise in RWD Datasets - Symphony Health , Optum & KOMODO data, SP/PSP datasets.



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Jul 2019 - Sep 2020, Associate IT Consultant, ITC Infotech

- Automated the end-to-end deployment process on Azure DevOps by integration/ data migration of project management tools (Jira, Service Now, Cherwell, etc.) to Azure Boards and creating/managing CI/CD pipelines, repositories, and dashboards.

Jan 2019 - Apr 2019, Data Engineer - Intern, Ernst & Young LLP

- Developed a Bank Charges Utility by using data extraction, transformation, loading techniques for analytics, reconciliation, and benchmarking use case.
- Led a team of interns to develop an in-house OCR (Optical Character Recognition) tool tailored for extracting valuable data from PDF documents, enhancing document processing efficiency.

Education

2015 - 2019, University of Petroleum & Energy Studies, Dehradun

B.Tech - CSE with specialization in Business Analytics and Optimization

2013 - 2015, Step By Step High School, Jaipur

Higher Secondary, Science (Non-Med)

Awards

2022, ZS Ingenious Award

Created an accelerator for HCP segmentation and targeting projects, achieving reduced TAT from 2 weeks to 2 days(80%)

2019, ITC Infotech - Recognized for 'Out of the Box' thinking

Contributed to resolve critical issue for a major FMCG client in a record time with best quality output

2018, Category Winners Award- Pune Hackathon

Won category winners award at Pune Hackathon 2018 organised by E-zest Solutions and Fresco Capital on the theme- 'Blockchain for Good'

Skills

Technology Stack

- Python
- SQL (PrestoSQL(Trino), PostgreSQL, MongoDB)
- Apache Spark, Airflow, Iceberg, Superset
- Power BI
- Azure Synapse Analytics, Data Factory, Blob Storage, DevOps
- GCP BigQuery
- Amazon Redshift, Athena, S3 storage

Interests

Professional

Gen AI, Automation, Blockchain, Data analysis

Personal

Chess, Cricket, Travelling, Trekking