

Chenchu Sruthi Amuluru Data Engineer

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Profile

Highly skilled Data Engineer with 3 years of experience in designing, building, and maintaining large-scale data systems. Proficient in a range of programming languages, including Python, R, and SQL, with expertise in data visualization tools like Tableau and Power BI. Proven track record in optimizing business processes through actionable insights and collaborative problem-solving.

Skills

Programming Languages — Python, SQL, R, NoSQL, DAX, MATLAB

Frameworks & Tools — NumPy, Pandas, Matplotlib, Flask, Django, Git, GitHub, Docker, CI/CD, Statistics, HTML, CSS, Agile, SAS, Hadoop, Hive, PySpark, ggplot2, Snowflake

Data Analysis /ETL tools — Power BI, Tableau, Sterling Integrator, Data Bricks, MS Excel, Google Analytics, Machine Learning, Data Modeling, Data Mapping, Data Mining, Data Extraction, Transformation, ETL Pipeline

Databases — MS-SQL, MySQL, Redshift, Snowflake, Big Query, PostgreSQL, MongoDB, SparkSQL

Professional Experience

Data Engineer, BNY Mellon

09/2023 – Present | Remote, USA

- Played a pivotal role in designing and implementing a robust CI/CD pipeline to automate the deployment of data pipelines, ensuring seamless integration and efficient delivery of data products, resulting in a 30% reduction in deployment time and a 50% increase in pipeline reliability.
- Created a cloud-native solution on S3 for data storage, Glue for ETL, Athena for serverless querying, and Redshift for data warehousing improved performance, and dropped infrastructure management overhead by 25%, using BI for dashboards and reports that effectively displayed tough financial data to stakeholders.
- Implemented Apache Kafka as a real-time data streaming platform, utilizing Kafka Connect to seamlessly integrate diverse data systems and set custom Kafka producers and consumers using Python, ensuring reliable data ingestion and processing, and enhancing responsiveness and scalability by 40%.
- Deployed an ETL solution using AWS Glue, Python, and SQL. By optimizing the data transformation processes, I achieved a 20% reduction in processing time and a 15% improvement in data quality.
- Composed data pipelines with Apache Airflow executing custom operators and sensors to run complex reliance and trigger actions based on data availability teaming closely to understand their data needs and design solutions that met their goals providing guidance and mentorship to junior team members for serial learning and improvement

Data Engineer, Genpact

06/2019 – 12/2021 | Bangalore, India

- Designed CI/CD pipeline using Azure DevOps, Docker, and Kubernetes to automate the deployment of data engineering pipelines, ensuring seamless integration and efficient delivery of data products resulting in a 25% reduction in deployment time and a 40% increase in pipeline reliability.
- Maintained a scalable data architecture on Azure, leveraging Blob Storage for data storage, Data Factory for ETL, Synapse Analytics for data warehousing, and Databricks for big data processing approaching cloud-native enabled horizontal scaling, improved performance, and reduced management overhead by 30%.
- Directed joint efforts within a dynamic team to curate, refine, and authenticate an extensive spectrum of supply chain data, with dataset integrity and leverage a synergistic blend of SQL and Python prowess to seamless data ETL processes, girding data robustness and readiness for insightful analysis.
- Spearheaded predictive analytics initiatives utilizing advanced statistical models, prognosticating future demand and supply patterns, resulting in a 20% drop in supply chain costs and deploying a bespoke customer segmentation idea using Kmeans clustering strategies, giving insights to enhance client attention and fulfilment.
- Eased Tableau dashboards and reports, giving realtime visibility into client supply chain functions, and empowering agile, data-driven decision-making, distilling intricate customer behaviour trends and churn rates into insights.

Education

Masters of Science, University of Texas at Arlington

01/2022 – 12/2023 | Arlington, USA

Computer Science

Bachelor of Science, PES University

07/2017 – 08/2021 | Bangalore, India

Computer Science