

Manas Garg

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SUMMARY

Results-driven Data Engineer with extensive experience in data integration, data warehousing, and data management. Seeking a challenging Data Engineer position to leverage my technical skills and drive business growth. Innate leadership, problem solving, interpersonal and time management skills.

EXPERIENCE

Senior Software Engineer, Coforge

Jul 2023 - Present

- Implement **Snowpipe** for real-time data ingestion from external sources.
- Utilize **Streams** to capture and replicate data changes in real-time.
- Developed **Python** scripts to automate data processing and data quality checks.
- Use **Zero Copy Clone** to quickly create clones of data sets for testing and development purposes.
- Utilize **Time Travel** to query historical data and track changes over time.
- Familiarity with **Agile methodologies** and project management tools such as **JIRA**.
- Worked on handling Data warehouse in snowflake and ETL using Airflow.

Data Engineer, BOLD Technology

May 2022 - Jul 2023

- Designed and implemented ETL processes using **Apache Airflow** to extract, transform, and load data from various sources into the data warehouse.
- Managed **600+** ETL pipelines extracting data using Airflow Dags.
- Developed **Python scripts** to automate data processing and data quality checks.
- Developed and maintained complex **SQL scripts** to transform and manipulate data.
- Extracted data from different **Rest API** like GoogleAds API, Bing API, Tune API using Python scripts.
- Collaborated with cross-functional teams to identify data integration requirements and design data integration solutions.

Software Engineer (ETL Developer), Tata Consultancy Services

Jun 2019 - May 2022

Supercharged Product Management (GE Healthcare)

- Involved in the analysis of requirements/defects, coding and testing.
- Developed code from scratch and high priority defect fixing.
- **Optimised SQL** code in production which reduces the defect by **20%**.
- Created and developed mappings to load the data from different sources to target database i.e **Teradata**.
- Implemented **CDC** which minimized the resources required for ETL
- Worked on **Informatica** transformations such as Lookup, Aggregator, Expression, Joiner, Filter, Router, Rank.
- Interacted with clients for getting and understanding the business requirement.
- Created **50+ ETL** data pipelines for bringing data from different sources like flat files, oracle etc to ODS layer using **Informatica**.
- Resolved **failed** workflows and fix the issues.
- Productionize the **ETL** changes by going through the review and approval processes by interfacing with different teams like migration, operations and **DBAs**.

SKILLS

Languages: SQL, Python, Unix

Tools: Apache Airflow, AWS S3, Glue, Athena, Informatica(ETL), Cronacle, Tableau

Database: Snowflake, MySQL, Teradata, Oracle

IDE: VSCode, Sublime Text

PROJECTS

COVID-19 Analysis

- Developed an **ETL** pipeline using Amazon web service.
- Worked on the Covid-19 dataset from **AWS** open data.
- Loaded the data sets into **S3** bucket.
- Implemented **IAM** roles and IAM configuration for users.
- Build numerous **Crawlers** on the datasets to extract the information and schema of the datasets.
- Ran Adhoc **SQL** queries on flat files and JSON using AWS **Athena**.

EDUCATION

B.Tech , Computer Science Uttar Pradesh Technical University (U.P.T.U)	<i>Jul 2015 - May 2019</i>
12th , C.B.S.E Dayawati Modi Academy (D.M.A)	<i>May 2014 - Mar 2015</i>
10th , C.B.S.E Dayawati Modi Academy (D.M.A)	<i>May 2012 - Mar 2013</i>

RECOGNITIONS/RESPONSIBILITIES

- Conducted sessions and webinars for newly joined associates.
- On The Spot Award, Award for Excellence Aug-2021
- Fresco Play Miles Award, Learning Awards July-2020
- Head of Technical club 'Technovation' at college