



Abhimanyu Acharya

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Date of birth: 28/09/1993 **Nationality:** Indian

WORK EXPERIENCE

[08/02/2022 – Current] **Senior Data Engineer**

UsefulBI

City: Bangalore

Country: India

Main activities and responsibilities:

Data Pipeline Development (E2E):

1. Developed data pipeline for extracting the PII and Security information from AWS Cloud-watch logs and notifying the end-user about the same via email triggering. AWS Services leveraged for this involves: S3, CW Logs, Lambda , Glue , SES.
2. Human Resource teams needs to transport the information of their global employees from their local on premise system to Workday HRMS tool. I have developed E2E data pipeline as per their requirement. Source of Data: HRMS Tool, Incoming File Format from source: XML, Target Destination : Workday PostgreSQL Database, Task: To process the data from XML to PostgreSQL whenever the file is placed inside HRMS SFTP Server, AWS Services used: S3, Lambda , Secret Services , SES, SQS , CW Logs, SageMaker Notebooks
3. Recently Started development of Data Pipeline for extraction of Data from Cisco internal devices and processing the data inside AWS for consumption of Business Team. AWS services involved for performing this operation involves: S3, Code Pipeline , Lambda, Cloud formation.
4. Developed and tested E2E pipeline for extracting huge records from a large CSV file stored in SharePoint and converted the data records to Parquet format stored inside ADLS, from where Data Scientist team can query the parquet data using either R studio or Azure Data bricks using R and Python, Azure ML studio. Resources leveraged for performing the above operations include: Azure Data factory and it's linked services, Azure Data lake storage and it's storage accounts, Azure Synapse Workspace inside a specific Resource group.
5. Developed Integration pipeline using AWS services for migrating the Pharma data from client's installed devices to Veeva systems.

System Testing (E2E):

1. Have worked on different success tracks of CX Cloud Data lake for supporting the system testing team regarding integration test, Unit test and also in code scanning of the developed Pipeline code
2. I have also worked on Data Architecture activities for developing solutions of future projects regarding their smooth onboarding to AWS Environment.

Infrastructure Development:

1. Created Infra code for deployment of AWS resources like SQS , SNS , Athena , Glue, S3 Bucket policies. Infra code used to run using AWS Code pipeline which leverages cloud formation stacks for updating, creation of resources.
2. Leveraged GitHub for deployment and CI/CD where merging PR can trigger the code pipeline and run the Cloud formation stack.

3. Developed and integrated GitHub actions for deploying Azure resources like ADLS , Synapse and Storage accounts using Azure ARM templates and automated the pipeline for infra deployment.

[28/06/2021 – Current] **Data Engineer**

Capgemini Invent

City: Gurgaon

Country: India

Main activities and responsibilities:

1. Responsible for Developing ETL pipelines leveraging AWS Services like s3, Lambda , Glue , Athena , API gateway , CW logs
2. Developed Custom ETL pipeline script using Python which extracts data from API Sources, does the transformation and sends the data to the customer platform via API call.
3. Developed Workflow for data movement between different SFTP servers and S3 after performing the transformations using Apache NIFI

[27/02/2017 – 25/06/2021] **Senior Associate**

PwC

City: Kolkata

Country: India

Main activities and responsibilities:

1. Developed ETL scripts which extracts data from Webpage by scrapping and sends the data to Security platform.
2. Used to present the data metrics to the client as well as the stakeholders by gaining insights from the reports furnished after the security scan of the applications.
3. Have Worked on projects which involves the Source Code review (using Microfocus and Veracode platform) for best coding practices and its security scan.
4. I have also worked on presenting metrics in front of stake-holders of different types of vulnerabilities arises after the security scan grouped by the respective Line of Services (LOS) and Business Units.

[01/06/2016 – 24/02/2017] **Graduate Engineer Trainee**

SMS Siemag (SMS Groups)

City: Kolkata

Country: India

Main activities and responsibilities:

1. Did the data analysis of the temperature data obtained from the coiler box to predict how much weight can be put on its Shaft so that Coiler won't break down. Based on data provided a mathematical model was designed using python to compute the weight.

[14/05/2014 – 07/07/2014] **Internship**

Indian Institute of Technology - Kharagpur

City: Kharagpur

Country: India

Main activities and responsibilities:

As a summer intern in **Electrical Engineering Department**, I was involved in designing a Mathematical Model of a Fractional Order Phase Detector Circuit. The model was designed based on the large data sets gathered from a Fractional Order Impedance Element.

EDUCATION AND TRAINING

[04/08/2012 – 27/05/2016] **Bachelors**

Jadavpur University <http://www.jaduniv.edu.in/>

Address: India

DIGITAL SKILLS

My Digital Skills

Programming

Programming Language (Python 3.x) | AWS Glue | AWS ApiGateway | AWS lambda
| AWS SNS | Git | AWS SQS

Databases

Relational Databases: SQL | MySQL | AWS Athena | PostgreSQL | MS SQLServer

Ticketing and Survey Tools

Atlassian Confluence and Jira | Servicenow | Qualtrics Survey Software

OS Container and Storage Services

AWS s3 | Linux | AWS EC2 | Docker

Security Scan Tools

HP Fortify Static Code Analyzer | Veracode SAST