



# Sahil Tanwar

## Senior Analyst programmer

Worked in the Financial and Telecom domain with almost 6 years' experience in the development and operations of DWH/BI and APIs. The roles involve requirement gathering, technical analysis, evaluation, development, implementation and support.

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## WORK EXPERIENCE

### Senior Analyst programmer Fidelity International

10/2020 - Present

Senior Python Developer

#### Achievements/Tasks

- Worked on Data pipelines build with **python**, **Apache Nifi**, **Control-M** and **oracle**.
- Worked on Python code generator for developing API frameworks(**Flask RestFul** and **FastAPI**).
- Solid ability to write and optimize diverse SQL queries, working knowledge of RDBMS.
- Excellent understanding Agile and Scrum development methodology.
- Passionate about gleaning insightful information from massive data assets and developing a culture of sound, data-driven decision making.
- Worked on designing and developing CI/CD pipelines using **Bamboo**, **Docker**, **Jenkins**, **Bitbucket** and Urban Deploy.
- Working On developing **AWS lambda** using AWS CDK with complete CI/CD pipelines.

### Senior Software engineer Bharti Airtel

09/2019 - 10/2020

Automation Lead - DTH Stack

#### Achievements/Tasks

- worked on data pipelines build with **ELK**, **Kafka**, **oracle** and **python**.
- worked on developing a model to find anomalies in metrics data and grouping it with K means clustering algorithm.
- Python automated reports and on-demand stats with the help of bots.
- Experience with **Dask** in developing data models for the reconciliation of large systems.
- Strong knowledge on data profiling, data standardization, transformation, cleansing and best practices to apply on high volume data. Design and develop ETL integration patterns using Python on Spark. Develop existing Pandas scripts and to **PySpark** Jobs.
- Experience in working with python CLI frameworks like **Argparse** and **Click**.

### Senior Project Engineer Wipro Technologies

06/2015 - 09/2019

DWH/BI Developer

#### Achievements/Tasks

- Designed workflows with many sessions with assignment task, event wait, and event raise tasks, used Informatica scheduler to schedule jobs.
- Well versed in developing the complex **SQL queries**, unions and multiple table joins and experience with Views.
- Produced attractive visuals/dashboards to convey the story inside the data using **Tableau**.
- Independently perform complex troubleshooting, root-cause analysis and solution development.

## EDUCATION

### Bachelor of Technology Amity University

07/2011 - 05/2015

#### Courses

- Electronics and Communications

Noida - UP

## SKILLS

SQL

PL/SQL

Python

Flask

unix

Devops

Pyspark

pandas

ELK

PostgreSQL

Kafka

Data Analytics

Dask

AWS

## AUTOMATION PROJECTS

Physical to Cloud(AWS) migration of oracle server using python

- Developed the web application with a GUI using Flask where user can easily enter details of oracle servers and can select type of DB migration (Full refresh, specific tables).

Data Lake on ElasticSearch

- Developed different data pipelines, aggregating data in elastic search to find correlation between different matrices across different data sets

DQ Check framework

- Developed the Python Framework which checks different data set based on Subject areas and DQ rules and generates detail compliance report.

Telegram bots

- Developed Telegram bots for business and marketing team to bridge the gap and reduce the response time for OPS and helps in bring transparency between teams.

## ACHIEVEMENTS

Awarded Innovation award for 2016'Q3

Awarded Early bird award 2017'Q1

Awarded Consistent Performer for 2017'Q3

## LANGUAGES

English

*Native or Bilingual Proficiency*

French

*Elementary Proficiency*

## INTERESTS

Football

Cricket

Sketching