Mohsin Ali

Python Developer

I am a computer science enthusiast who has always been intrigued by the world of tech. It lead me to pursue a degree in software engineering and I have been working as a Python developer for over three years.

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Lahore, Pakistan



SKILLS

Python

REST API

Jupyter Notebook

AWS Lambda

GitHub

Data Visualization

in linkedin.com/in/mohsinali8

Data Pipelines

Amazon EC2

Apache Airflow

Jupyter Lab

Amazon Web Services

Amazon Secrets

PostgreSQL

Network Graphs

Amazon S3

WORK EXPERIENCE

Software Engineer (Remote) Innotrade GmbH

04/2022 - Present

Herzogenrath, Germany

Achievements/Tasks

- Built Jupyter Notebook inside the Jupyter Lab environment for visualizing Network(Knowledge) Graphs by European Broadcasting Union Class Conceptual Data Model.
- Wrote Terraform scripts for customizable Cloud Infrastructure orchestration for AWS, meeting client's organizational protocols.
- Contributed to the presentation of Cloud Development Kit for EBU CCDM at Metadata Developer Network 2022 hosted by European Broadcasting Union.

Associate Software Engineer Nextbridge Ltd.

12/2020 - 05/2022

Lahore, Pakistan

AlphaVu

Achievements/Tasks

- Revamped a legacy Twitter Stream API based data pipeline to significantly increase data collection rate up to 30k more records per day, collect more categories of data and improve the schema in database to aid Data Analysts.
- Built an IMAP based pipeline to retrieve and process data into an actionable chain of conversation for analysis. Modeled the workflow as Directed Acyclic Graphs integrated with Apache Airflow. This data pipeline broke the record of being most robust and least error prone out of all the data pipelines.
- Debugged and revamped a CSV and IMAP based data pipeline to fix fatal bugs. Also, modeled the workflow as Directed Acyclic Graphs to support backlogging, monitoring, adaptability and scheduling by using Apache Airflow.
- Built flexible **DAGs** with options to tweak using variable that enhanced the backlogging, monitoring, flexibility and backlogging capabilities of the data pipelines.

Software Engineer

Ingenious Concepts

Lahore

06/2019 - 10/2020

- Achievements/Tasks Built a full-fledged Django based Classified Ads Web Application to digitalize hospitality industry in Lahore.
- Designed and built an extensive and durable database schema to support complex data storage.
- Deployed and presented a working prototype of the Web Application on Heroku as a final deliverable and won client's approval.

Elasticsearch

PERSONAL PROJECTS

FestiveCircle (2019) 🗷

A classified web application that digitalizes hospitality industry in Lahore.

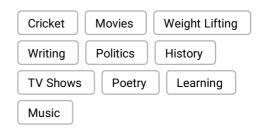
LANGUAGES

English

Professional Working Proficiency

Native or Bilingual Proficiency

INTERESTS



EDUCATION

BS Software Engineering COMSATS University, Lahore

04/2016 - 05/2020 Lahore, Pakistan