Muhammad Ahmad

Software Engineer

H#45 Street 10, Yasrab Colony
Lahore Cantt.
(+92) 307 4353 693
arsh.dxtr@gmail.com

EXPERIENCE

NorthBay Solutions, Lahore — *Software Engineer*

November 2019 - Present

Working in Amazon Web Services, Apache PySpark and Airflow Orchestrations

ArbiSoft, Lahore — *Software Engineer*

June 2019 - September 2019

Worked in Data mining based on Python Scrapy

EDUCATION

University of Central Punjab — *BS Computer Science*

2014 - 2019

Graduating CGPA **3.7**

Punjab Group of Colleges — *F.Sc. Pre-Engineering*

2012 - 2014

PROJECTS

CDC/Replication on Going — *Syncing Data Lake with RDS DB*

Technologies	Python, PySpark, DataBricks, EC2, RDS, S3, Athena, CloudWatch, DMS, Delta Lake, Glue, Lambda, SNS, SQS

The project was to maintain the replication on going for Data Lake w.r.t AWS RDS. This includes creating an ETL pipeline for reflecting changes made in the RDS database to the Data lake.

COVID Stats — *Stream and Batch Data Analysis of Covid Data*

Technologies	Python, PySpark, DataBricks, Apache Airflow, EMR, EC2, Kinesis, RedShift, Spark streaming, Apache livy, Redis, Celery

The project was to build a parallel stream and batch pipeline for Covid-19

TECHNICAL SKILLS

Languages:
Python, Java,
R, SQL
C, C++,
SQL, JS,
JSON etc.

Frameworks and tools:
React JS, Django, Jquery
Scrapy, BeautifulSoup,
DataBricks,
Docker,
DBMS,
Unity

Cloud Platform:
EC2, Athena, CLI, DynamoDB,
CloudFormation, CloudFront
CloudWatch,
CodeBuild, Route 53
CodeCommit, DMS,
EMR, Glue, IAM,
Kinesis, Lambda,
RDS, Redshift, S3,
SNS, SQS, VPC, IAM, Data Lake, Delta Lake.

Big Data and Orchestration Tools:
Apache PySpark,
R, Apache Airflow,
Pandas and other Python libraries.

Other Skills
MySql, PostgreSQL, Csv parsing, Json Parsing

dataset. Stream pipeline was based on EMR and Batch pipeline was on Apache Airflow orchestration.

PROJECTS (Cont.)

Data Mining — *Scraping Data from websites*

Technologies   Python, Scrapy

The project was to scrape data from 50+ E-Commerce, Mortgage, Real Estate, and News websites.

Inventory System — *Invoice management*

Technologies   Python, Django, PySpark, RDS, React

The project was to develop an inventory system synced with RDS

and maintain all the data for the Invoices, Stocks and Clients.

POS — *Point of Sale for Wholesale shop*

Technologies   BootStrap, CSS, JS, Jquery, Ajax, PHP

The project was to build a POS for the battery wholesale dealer. Web application was mainly responsible for managing the Stock, Accounts and Transactions etc.

E-Commerce Website — *Website for online selling*

Technologies   BootStrap, CSS, JS, Jquery, Ajax, PHP

This project was to build an E-Commerce website for the battery wholesale dealer and link it up with the POS.

University Portal — *University Project*

Technologies   BootStrap, CSS, JS, Jquery, Ajax, PHP

This project helped teachers and students in maintaining the courses and their marks. Admins have all the privileges for enrollment, fee challan and managing teachers and students.

Bandar Killa — *FYP*

Technologies   Unity 3D, blender

PROJECTS (Cont.)

Bandar killa is a desi game. This was the FYP, the idea of the game was to build a multiplayer bandar killa that can be played by players on different networks.