Ashish Patel (Staff Software Engineer)

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 github | in linkedin | 👤 portfolio

Summary

Experienced Software Engineer with 6+ years of experience in Big Data, Distributed Systems, Java, Scala and Python seeking to apply my abilities to contribute and build something productive.

I am an active contributor to Apache Airflow.

Experience

Prophecy.io
Jan, 2023 - Present / Bengaluru, India

Staff Software Engineer (Data Platform)

- Building High-Quality Scalable ETL and Big Data Frameworks using cutting edge solutions.
- Building reusable components for different Source like Apache Spark, Apache Airflow, and DBT for our Visual Low Code users, these backend components allows user to drag and drop and we generate code in the background.
- Integrating Different Data Platforms and Warehouses to Prophecy using Scala, Akka and Apache Spark.
- Tech Stack - Apache Spark, Apache Airflow, Python, Scala, Databricks, Snowflake, DBT, AWS, GCP, Akka.

Skyscanner
Dec, 2021 - Jan, 2023 / London, UK

Senior Software Engineer (Distributed Systems)

- Building High-Quality Scalable ETL Frameworks and Pipelines using cutting edge solutions like Databricks, Apache Spark, DeltaLake, Apache Airflow and AWS.
- Working on cutting edge big data solutions to enable our Data Analysts and Data Scientists to make sense of revenue data and Clickstream data.
- Building High Scalable Streaming Pipelines using cutting edge solutions like Apache Kafka and AWS MSK.

- Tech Stack - Apache Spark, Apache Airflow, Databricks, DeltaLake, Python and Java

Apache Airflow
Feb, 2021 - Present / Remote

Open Source Contributor

- Contributed 20+ Features to Opensource Airflow repository on Github.
- Participated and contributed in Meetups and discussions to make Apache Airflow one of the best Open Source Orchestration platform.
- Ref - https://github.com/apache/airflow/commits?author=pateash.

Walmart Global Tech
Feb, 2021 - Dec, 2021 / Bangalore, India

Software Engineer III (Big Data)

- Part of the supply chain technology team, and working on cutting edge forecasting solutions to enable the everyday low-cost philosophy of Walmart.
- Built High-Quality Scalable ETL Frameworks and Pipelines to build our Forecasting Pipelines.
- Migrated our On-Prem Hadoop Clusters to Google Cloud Platform as part of a strategic partnership with Google.
- Tech Stack - Apache Spark, Java, PySpark, Apache Airflow, GCP DataProc, Bigquery,Astronomer

Deutsche Bank
July, 2018 - Jan, 2021 / Pune, India

Senior Software Engineer

- Worked As a Big Data engineer in CIB division for Volcker Project.
- Developed Data pipelines for our Reporting ETL jobs, handling Terabytes of data every day across hundreds of Spark and Hadoop MapReduce jobs.
- Optimized End to End Pipeline execution time to comply with Regulatory SLA in accordance with new Volcker2.0 regulatory Norms.
- Developed Platform simplification for Informatica jobs using Java8 and Spring + Reactor Framework with Oracle Database.
- Tech Stack - Apache Spark, Hadoop MapReduce, Hive, Impala, Beeline, Cloudera CDH, Java, Spring Framework, Spring Boot, Scala, Linux, GCP.

NIT, Bhopal Oct, 2017 - Feb, 2018 / Bhopal, India

Research Assistant

- Co-written "A Comparative Study of Music Recommendation Systems" with Prof. Rajesh Wadhvani.
- This paper describes different recommendation strategies and compares their practicality on mobile devices.
- Evaluated different Recommendation Strategies by training different ML models and evaluating them.
- Reference - https://ieeexplore.ieee.org/document/8546852

CarWale.com May, 2017 - Jul, 2017 / Mumbai, India

Summer Intern

- Worked as Data Engineering Intern in the R&D division of CarWale.
- We developed CWBigQuery, which is a service that enables interactive analysis of massively large datasets stored in Cassandra Storage.
- It allows users to submit and schedule Spark Job, just using SQL like syntax using Spark SQL.
- This Project took inspiration from Google BigQuery but uses a completely different architecture, we have also created a web application which will provide an interface for users to log in and submit, schedule, and view results.
- Tech Stack - Scala, Apache Spark, Cassandra, Python-Flask Framework

Education

NIT, Bhopal 2014 - 2018

Bachelor of Technology, Computer Science & Engineering

- Graduated in Computer Science and Engineering. GGPA - 8.4/10
- Worked as Web developer in the Student Council and developed websites and tech infrastructure for College events.

I.P.S Academy 2011 - 2013

Higher Secondary, Science & Mathematics

- Completed Higher Secondary with Physics, Chemistry, and Maths. Percentage - 90.2%

Skills

Programming	Java | Scala | Python | C++ | Bash
Big Data Frameworks	Apache Spark | Kafka | Databricks | Airflow | Snowflake | DBT | Hive | AWS | GCP
Software Development	Spring Framework | RDBMS | Python Flask | Agile | DevOps
Languages	Native: Hindi | Fluent: English

Awards and Recognition

- Competed with 200+ teams and Won 3rd prize in Deutsche Bank's Global DataScience Competition Dabble.
- Won 2nd prize in Hackathon organized by Appointy Inc, https://github.com/pateash/appointy-hackathon
- Winner of Deutsche bank's excellence award.
- Winner of Medhavi Chhatra Puruskar, given by MP State Government for excellent performance in State board exams.

Extra

- Contributing to Apache Airflow, contributions - https://github.com/pateash
- Working on Open source, CMD tool for developers, https://github.com/codingtools/cdt
- Writing Articles on Codebrace on Medium https://medium.com/codebrace, with over 100K+ reads so far.
- Created Opensource Regexplore, Intuitive Regex Checker https://regexplore.github.io