



Ashish Patel  
Bengaluru, India | +91 7705047900  
ashishpatel0720@gmail.com

github | linkedin | portfolio

## SUMMARY

Experienced Software Engineer with around **7.5 years** of experience in **Big Data, Distributed Systems, Java, Scala** and **Python** seeking to apply my skills to contribute and build something productive. I am an active contributor to **Apache Airflow**.

## EXPERIENCE

### ORACLE

*Jan, 2025 - Present / Bengaluru, India*

PRINCIPAL SOFTWARE ENGINEER (BIG DATA)

- Built and launched **Oracle Datashare**, a Spark-based service to move data from OCI to Delta Lake, Iceberg, Azure, and Snowflake, reducing manual data movement by **80 percent**.
- Implemented **schema evolution** and **compaction** logic, enabling seamless ingestion of evolving datasets and improving downstream query performance by **3x**.
- Engineered atomic write support for **complex** operations (INSERT/UPDATE/DELETE) across sinks, ensuring **data consistency** across 100+ datasets
- Integrated with Oracle Job Management Console (JMC) for full job visibility, retries, and audit tracking, cutting operational troubleshooting time by 60
- **Tech Stack** - Apache Spark, Big data, Java, Scala, Snowflake, Azure, Oracle Cloud.

### PROPHECY.IO

*Jan, 2023 - Jan, 2025 / 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 sources like Apache Spark, Apache Airflow, and DBT for our Visual Low Code users, these backends 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 every-day 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 Volcker 2.0 regulatory Norms.
- Developed Platform simplification for Informatica jobs using Java 8 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>