

CAREER PROFILE

Experienced Data Engineer with thorough hands on experience in all levels of software development life cycle. I am a hybrid software developer, data engineer, automation engineer. Supportive and enthusiastic team player dedicated to streamlining processes and efficiently resolving project issues. Willing to take ownership of core components.

SKILLS

Languages & Frameworks

Python, Java, SQL, Fast API, Spring-boot, TestNG, ScalaTest, Shell/Bash script, Scala(Intermediate-level)

ELT & Data-Pipeline Tools

Apache Airflow, Apache Beam/Dataflow, Apache Flink, DBT, Xplenty, AWS DMS, Great expectations, Spark(Intermediate-level)

Cloud Services

GCP(Dataflow, Composer, BigQuery, Cloud Functions, Pub/Sub), AWS(DMS, Redshift, RDS, Glue, Lambda)

Databases

PostgreSQL, Oracle, MySQL, Elasticsearch, MongoDB, Redis, Memcache, RocksDB, Sybase

Technologies & Tools

Terraform, Kafka, Elasticsearch, Docker, New Relic, Solr, RabbitMQ, Prometheus, Grafana, Graylog, Postman, Wireshark

Reporting Tools

PowerBI and Redash (Beginner to intermediate level of exp)

Automation Tools

Terraform, Github Actions, Jenkins, Selenium-Webdriver, RestAssured (API), Jacoco for code coverage

Load Testing Tools

Locust and Wrk2

Version Management Tools & PMS

Git, JIRA

EXPERIENCES

Senior Data Engineer

05/2021 - Present

Wayfair, Berlin

- Collaborating with stakeholders across the business to understand their data requirements.
- Implemented the event driven ETL pipeline for processing the Google Analytics data using Apache Beam and GCP managed services.
- Implemented the scalable realtime ETL pipelines using Apache Flink for processing Kafka events.
- POC on different ETL tools and technologies.
- Developed data dictionary using Google Data Catalog
- Implemented CI/CD plugins to automate deployment of many GCP managed services.
- Implemented Quality Checks framework for the pipelines running on Airflow.
- Infrastructure provisioning thorough Terraform.
- Participating in the design discussions, planning, estimation and retro meetings.

Senior Data Engineer

04/2020 - 04/2021

Wefox, Berlin

- Migrated the legacy data infrastructure to the GCP utilising the GCP's serverless and managed services.
- Migrated the VBA based ETL tool to Airflow.
- Extract and Load setup using Xplenty.
- Data migration and CDC using AWS DMS.
- Built utilities in Scala & Python for processing structured and unstructured data from multiple data sources like API's, S3, CSV, SFTP.
- Gather and process raw data at scale (including writing scripts, web scraping, calling APIs, writing SQL queries and applications)
- Built API's using FastAPI.
- Setting up of CI/CD pipeline using Github actions and Bash Scripts.
- On-boarding the new MGA's with the necessary changes in the DWH and ETL.
- Implemented realtime alerting for the data pipeline and services.
- Developed the data dictionary.
- Effective documentation about the applications, tools and utilities developed.
- Creating high level design documents & source to target data mapping sheets.
- POC on different ETL tools and technologies.

Data Automation Engineer

11/2017 - 03/2020

Spotcap Global, Berlin

- Built data-pipeline in Scala & Python for processing structured and unstructured data from multiple data sources like API's, Audit Tables, S3, which was then consumed by the data science team.
- Gather and process raw data at scale (including writing scripts, web scraping, calling APIs, write SQL queries, writing applications)
- Built API's using Scala Play and Spring boot which acts as simulator for user journey and it's actively used by the product, QA and data science team.
- Developed a utility by implementing API's and integrating with the Flock for pro- actively debugging the credit decision on user's loan application.
- Setting up of CI/CD pipeline (Jenkins integration) for the automation test suite.
- Setting up the mocked data, which was critical during client demos and internal testing, and acted as POC for the mocked data services.
- Built automation framework for Spotcap's backend API's from scratch.
- Built load testing framework using Locust and Python.
- Implemented real time alarming for the quality check failures to all the stake holders.
- Effective documentation about the applications, tools and utilities developed.

Tech Lead

09/2015 - 11/2017

OLA, Bangalore

- Worked on the application which served as a single source of truth for position/status of all cabs at any given point of time.
- Design and architecture of tracking service.
- Updating the Chef Cookbooks and Recipes and deploying the build on AWS-Cloud Environment.
- Developed utilities to minimize the environment setup, for production sanity test and for debugging the issues in staging.
- Application maintenance and troubleshooting.
- Giving demos to the product team and Knowledge sharing sessions to the team.
- Mentoring the junior team members.

Senior Software Engineer

11/2012 - 09/2015

Altisource Labs, Bangalore

- Migration of existing code bases to AWS cloud.
- Migration of SQL based searches to Apache SOLR based search.
- Built a highly scalable and concurrent design by using multithreading principles and Rabbit MQ.
- Implemented build and deployment process for the product using maven, jenkins etc.
- Involved in the development of in house frame work and reusable components
- Interacted with the business team to understand and analyze the requirements.
- Designed the Creating Invoice, Creating Workflows Invoice Approval modules.
- Worked on data integration, payment file generation and interfacing with 3rd party.
- Worked with Support to resolve the production issues across the application.
- Optimizing code for increased scalability.
- Perform integration testing, system testing, regression testing.
- Monitoring and scheduling Daemons.
- Automation of test cases using Selenium Web driver, Sahi, Robot Framework and Shell script.
- Setup Jasper Reports server
- Wrote liquibase scripts, queries, stored procedures.
- Wrote Shell scripts to automate payment files, deployment, server health monitoring.
- Gave Demos, Knowledge sharing sessions to the team.

Software Engineer

09/2009 - 10/2012

ZTE R&D Center, Bangalore

- Preparing the system test cases, Test List and System Test Report.
- Preparation of test environment and deployment.
- Integration of all the third-party interfaces with RBT.
- Execution of IOT test cases and resolving the inter communication issues with 3rd party modules.
- Implementation and maintenance of matrices such as Test Matrix and Requirement Tractability Matrix.
- Executing Sanity/Smoke test on new builds.
- Preparing test reports for the system test performed.
- Study the failures and checking server logs and Wireshark logs.
- Installation of Linux, Database, tomcat, Jboss.
- Preparing Test bed.
- Upgrade/Migration testing.
- Execution of UAT test cases.
- Preparation of dual site environment for GR test and execution of test cases and preparation of document for GR to use at disaster condition.



Ashok Ballolli

Senior Data Engineer

ashokb@engineer.com

+49-15166269341

www.ashokb.ml

ashokballolli

ashokballolli

ashokballolli

@ashok_ballolli

EDUCATION

B.E in Computer Science

VTU(PDA College Of Engineering, Gulbarga)
2005 - 2009

LANGUAGES

English (Professional)

Hindi (Native)

Kannada (Native)

INTERESTS

Reading Books

Trekking

Cooking