

## 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), Kafka

### Cloud Services

GCP(Dataflow, Composer, BigQuery, Cloud Functions, Pub/Sub, DataCatalog, GCS, Vision AI), AWS(DMS, Redshift, RDS, Glue, Lambda, S3, Rekognition)

### Databases

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

### Technologies & Tools

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

### Reporting Tools

PowerBI and Redash (Beginner to intermediate level of exp)

### CI/CD & Automation Tools

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

### Load Testing Tools

Locust, Gatling 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

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## 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