



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, Scala, Java, SQL, Fast API, Play 2, Spring- boot, TestNG, ScalaTest, Shell/Bash script

• ETL & Data-Pipeline Tools

Airflow, DBT, Spark+Scala

• Databases

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

• Technologies & Tools

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

• Automation Tools

Selenium-Webdriver, RestAssured (API), Jacoco for code coverage

• Platforms

AWS cloud, GCP, Linux (SUSE, Cent OS, Ubuntu), Mac OSX, Windows

• Cloud Services

AWS EC2, S3, Redshift, AWS RDS, OpsWorks, Elasticsearch service, Amazon Lex, GCP Firestore, GCP VM Instance, cloud scheduler, cloud pub/sub, cloud functions

• Version Management Tools & PMS

Git, JIRA

• Load Testing Tools

Locust and Wrk2



EXPERIENCES

Data Engineer

2020 - Present

ONE Insurance, Berlin

- Migrated the VBA based ETL tool to Airflow.
- Built utilities in Scala & Python for processing structured and unstructured data from multiple data sources like API's, Audit Tables, S3, CSV.
- 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 Jenkins and Bash Scripts.
- On-boarding the new MGA's with the necessary changes in the DWH and ETL.
- Implemented real time alerting for the data pipeline and services.
- Developed the data dictionary.
- Effective documentation about the applications, tools and utilities developed.
- Understanding the Data Models (LDM and PDM) & architecture/design documents.
- Creating high level design documents & source to target data mapping sheets.
- Defining coding standards/best practices and guidelines.
- Following the best practices of different ETL tools and databases.
- Updating JIRA boards.

Data Automation Engineer

2017 - 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 automation framework for Spotcap's backend API's from scratch.
- 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 load testing framework using Locust and Python.
- Implemented real time alarming for the automation test failures to all the stake holders.
- Effective documentation about the applications, tools and utilities developed.
- Mentoring the junior automation engineers and data analysts.

Software Development Engineer in Test - III

2015 - 2017

OLA, Bangalore

- Setting up the performance environment, adding/modifying the performance script, performing the performance test and sharing the matrix/observations/results with the tech team and other stake holders.
- Co-ordinating with the developers and Dev-Ops during the production deployment, performing the post deployment QA verification and monitoring the applications using New relic, Kibana, Prometheus and application logs.
- Building utilities by implementing API's using spring-boot and writing shell scripts to minimize the QA-effort and making automation job easy.
- Updating the Chef Cookbooks and Recipes and deploying the build on AWS-Cloud Environment.
- Performing the code review of the automated test scripts.
- Monitoring the daily run report of the automation suite and debugging if any failures in the report.
- Developed many utilities to minimize the environment setup, for production sanity test and for debugging the issues in staging.
- Application Maintenance and troubleshooting
- Participating in the Sprint planning meetings and providing the QA estimation.
- Automating the 'S0' test cases before the Dev-build to staging.
- Perform functional testing, integration testing, system testing, regression testing.
- Giving demos to the product team and Knowledge sharing sessions to the team.
- Create and maintain media wiki page for the project with the latest updates.

Senior Software Engineer

2012 - 2015

Altisource Labs, Bangalore

- Set up test environment, test case design, perform peer reviews, test case walk through with the product team and other stake holders
- Deploying the build on Cloud Environment using Chef Cookbooks and Recipes
- 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
- DB Testing – Executing liquibase scripts, writing queries, Stored Procedures, debugging the stored procedures
- Writing Shell script to automate payment files, Monitoring logs, Deployment, Server health monitoring
- Create and maintain media wiki page for the project with the latest updates

Software Test Engineer

2009 - 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

Data Engineer

✉ ashokb@engineer.com

☎ +49-15166269341

🌐 www.edaari.com

🌐 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