

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

ELT & Data-Pipeline Tools

Airflow, DBT, Xplenty, AWS DMS, Spark(poc/theoretical exp)

Databases

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

Technologies & Tools

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

Platforms

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

Cloud Services

AWS (EC2, S3, Lambda, DMS, API Gateway, Redshift, RDS, CloudWatch, DocumentDB), GCP (Firestore, VM Instance, cloud scheduler, cloud pub/sub, cloud functions)

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

04/2020 - Present

wefox Group (wefox & ONE), Berlin

- 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 real time 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.
- Defining coding standards/best practices and guidelines.
- Following the best practices of different ETL tools and databases.
- Updating JIRA boards.

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 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

09/2015 - 11/2017

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

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
- DB Testing – Executing liquibase scripts, Writing queries, Stored Procedures, debugging the stored procedures.
- UNIX: Writing Shell script to automate payment files, Monitoring logs, Deployment, Server health monitoring.
- Give Demos, Knowledge transfer to the team.
- Create and maintain media wiki page for the project with the latest updates.

Software Test 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.



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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