Sai Nikhil Bogisetty
ETL QA LEAD

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Core Skills

IDE & Editors:
Snoop Tool , Load Runner , Postman, Teradata, Qlik View, Qlik Sense, Eclipse, SQL Server Management Studio, SSIS, IntelliJ, Visual Studio, Eclipse, JMeter

Programming and Scripting Languages:
My SQL, MS SQL Server, Core JAVA, HTML, CSS, XML, Teradata SQL, Python, JSON, JavaScript

Databases & Servers:
MS SQL Server, Denedo, Netezza, Aginity, Azure Data Lake, Apache Kafka, MongoDB, Cosmos DB

Frameworks:
Selenium, TestNG, Jenkins, SoapUI, Cucumber, Test-Driven Development, TensorFlow, Behavior Driven Development, Gherkin, Data Pipelines, Flask

Cloud Platforms:
Azure Data Factory, Terraform, CloudFormation, GCP, Data Lake, OLAP, OLTP, Apache, Databricks, AWS services (Lambda, EC2, S3)

Master Data Management & MDM Platforms:
Informatica MDM, Data Governance, Data Quality, Data Security, Match & Merge, Data Integration, Informatica IDD, Meta Data Management

Data Processing & Analysis:
Pandas, Matplotlib, NumPy, Scikit- Learn, Tensor Flow, Data Cleansing, Data Transformation, Data Profiling, Data Pipelines

Technical Skills :
BRD, FRD, Star Schema, Snowflake Schema, Stored Procedures, Requirement Traceability Matrix, SCD 2 Type, Source-To-Target Mapping, Rest Assured, Rest API, SoapUI, Defect Logging (JIRA), Exact Match, Fuzzy Match, Method Resolution Order, Root Cause Analysis, Test Case Design, Sprint Management

Testing Types:
Manual Testing, Automation Testing, Regression Testing, API Testing, Performance Testing, Functional Testing, Load Testing, Unit Testing

Agile & Scrum Methodologies:
PI Planning, Backlog Refinement, User Story Grooming, Sprint Planning, Retrospective Meeting, JIRA Tracking, Daily & Weekly Stand Up Meetings

Domain Expertise:
Financial Services, Insurance Domain, BI Reporting, ETL Testing, Agile Project Management, JIRA, Scrum, STLC, Waterfall, Software Development Life Cycle

Professional Summary   01 MAR 2019 - Present

I'm passionate **ETL QA LEAD** with **4+ years** of experience in **test automation** by bringing expertise in **Selenium WebDriver, Java, Python, SQL & API testing** with tools like **Postman & JMeter.** My hands-on skills include in **Agile environments** in **automated testing frameworks** to integrate tests into **CI/CD pipelines** using **Jenkins & Git** by executing **regression testing &** validating **AI/ML solutions** for data quality & compliance. I've collaborated with **cross functional teams** in **ETL processes, Master Data Management (MDM)** with Informatica & **performance testing.** Certified in I**STQB Foundation Level v4.0**. Strong background in **API testing** with **Postman, REST API tools** , **public cloud platforms, automated tests** & **defect management.** I'm driven to quality solutions in **Cucumber, JIRA & performance testing.**

Work Experience

- Holding a Bachelor's Degree & Master's Degree in Computer Science, I maintain necessary clearances and can legally work in the US without employer sponsorship in software industry.

- Experience in working under **Automation & Manual Testing** in **Agile & Waterfall Methodologies** for **BI reporting & MDM Data warehouse projects** in **Insurance Domain** Projects under **Financial Services.**

- Furthermore, I have overall **4+ years** of expertise in writing test scripts and by gathering requirements, developing test plans, test cases for manual / Automated scripts, test procedures, test scripts and analyzing test results for data quality.

- Experience in executing Automation Test Scripts using test cases along with ETL Testing , Retesting and Regression testing after creating test scripts for selenium automation testing along with using SQL quires to focus on quality using Test Planning.

- Strong Expertise in **Black box/white Box testing,** writing **acceptance test scripts** using Cucumber based Gherkin formatted test scripts for easier test automation, to achieve readability and understandability as part of **Behavior Driven Development (BDD) approach** and writing automation testing using **Java and Selenium** by building tools.

- Good knowledge in **Python programming** in building scalable web applications using **MYSQL** & proficient in **Python OOPS, data structure** by using data analysis using libraries like **Pandas, NumPy and pymysql** for all database integrations for large data sets.

- Experience in working with **Agile & Scrum framework** using **JIRA** tool such in **Sprint Planning** & carrying out sprints, **stand-up calls, retrospective, story pointing,** & **user story-grooming** by managing **software defects** using **bug tracking** tools to analyze performance using **Postman API.**

- Formal presentations and consolidation of status reports for both **daily & weekly** as well as **project closure reports** to be communicated to various stakeholders including **onsite leads, clients, different vendors, developers,** and **BA** on a daily basis for innovative business needs in **backlog management.**

Education

Northern Arizona University

Aug 2022 - May 2024

Master of Science

Computer Science

GPA **3.3**

GITAM University

Jun 2014 - Apr 2018

Bachelor of Technology

Computer Science Engineering

GPA **64.50%**

Awards

Star Employee of the Month Apr 2021

Capgemini

Certifications

AUTOMATION ENGINEER PRACTITIONER CERTIFICATION Feb 2020

Capgemini

RPA Developer Feb 2020

Capgemini

Python Certified Nov 2023

ISTQB® Certified Tester Foundation Level v4.0 Apr 2024

BCS, The Chartered Institute for IT

Projects

Datics Inc 12 Sep 2024 - Present

Data Engineer role, as it equips with the in-depth technical skills & theoretical understanding required to design, build, & maintain complex data pipelines and systems. Core coursework often covers areas directly relevant to data engineering, including database management, distributed systems, algorithms, and software engineering principles.

Roles and Responsibilities :

- Developed & executed performance tests using **Python, Postman & Load Runner** to assess **data pipeline efficiency** & integration under various workloads.
- Conducted **endurance, stress & volume testing** identifying performance bottlenecks & providing optimization recommendations.
- Implemented **CI/CD integration** for **automated testing** workflows using **Jenkins** by improving **deployment time** by 20%.
- Conducted **API testing** with **Postman** by validating **RESTful services** & improving system reliability by 15%.
- Executed **ETL testing** & **data validation** for **SQL, NoSQL** databases by ensuring seamless integration in **CI/CD Pipelines.**
- Participated in **Agile ceremonies** like **sprint planning, daily stand-ups** to align testing efforts in **development goals** on data governance principles.
- Proficient hands in **Defect logging** and tracking tools such **JIRA**.

ACCENTURE - ROYAL MAIL GROUP 25 Oct 2021 - 09 Jun 2022

In this project, data from diverse sources is verified through rule-based organization, then condensed for ETL processing. The transformed data, with filled necessary columns, undergoes routine batch loading into Final tables for cleaning and conversion

Roles and Responsibilities :

- Worked with software development & testing team members to design & develop robust solutions to meet client requirements for functionality, scalability and performance.
- Developed & maintained **automated test scripts** using **Selenium** & **Java** to verify data quality in ETL processes improving testing efficiency by 40%.
- Executed **SQL queries** & **stored procedures** to validate **data integrity** within **ETL pipelines.**
- Developed & maintained custom **automation drivers, JSON parser**s & integration tools to improve the efficiency of **test execution** & **integration.**
- Designed & executed **performance tests** to validate **data transformation** processes in **ETL pipelines** using **Java, Python & Load Runner.**
- Led **API testing** efforts using **Postman** for **RESTful services** by ensuring proper integration & functionality.
- Supported **CI/CD integration** and deployment processes by aligning with **DevOps** best practices by reducing deployment errors by 15%.
- Participated in **root cause analysis** for **performance degradation** during high transaction volumes and recommended infrastructure optimizations.
- Deployed **CI/CD pipelines** using **Jenkins** by reducing deployment time by 20% tracked via **sprint deliverables** by integrating **automated testing workflows.**
- Conducted **API testing** with **Postman** by improving system reliability by 15% measured by **error reduction** by validating **RESTful services** for seamless integrations.

- Conducted **regression testing** and **integration testing** by ensuring that new software changes did not negatively impact existing features.
- To maintain best **test coverage analysis** through **test case** using data mapping for data quality using **SQL and Java scripting** by Quality reviews for QA on data collections for seamless integrations in multiple databases.
- Improved **testing efficiency by 40%** through reduced cycle times by developing **Selenium & Java-based automated test scripts** for ETL processes.
- Proficient hands in Defect logging and tracking tools such JIRA.
- Proficient in using **Postman** for **API testing** and **REST API validation**.
- Developed detailed **performance test scripts** by ensuring **end-to-end** bottleneck analysis for applications in **J2EE & Oracle environments.**
- Created data validation scripts in **SQL** for verifying **data transformation processes** contributing to a 15% increase in **data quality**.

CAPGEMINI - CHUBB INSURANCE   01 Mar 2019 - 18 Oct 2021

The producer contact data that is scattered across many source systems and used **pymysql connector** for **MySQL integration** with **python** for **Data Transformation** using **Pandas**. They store their producer contact information by performing **source/target connections**, **transformation rules** & **scheduling details** along to analyze performance by producing the **Golden/Final records** from the **MDM ETL extract** by using **SQL Queries.**

Roles and Responsibilities :
- Led **MDM implementation** using **Informatica MDM** to resolve data integrity issues & ensure accurate **master data** management across business units in the Producer Contact project.
- Resolved **data integrity issues** for **100+ business units** by **reducing defects by 25%** by leading I**nformatica MDM implementation** for producer contact data.
- Led **Automation Testing** initiatives using **Selenium & Python** to validate ETL processes, data transformation & integration in complex environment.
- Worked with **writing Java code** to perform **data quality checks** such as **data validation,** completeness checks & consistency checks.
- Validated **API performance** under load improving **response time by 35%** tracked via **Postman** results by testing **REST APIs** in **CI/CD pipelines.**
- Automated **data quality checks** using **Selenium** & **Python** by identifying **98% of data inconsistencies** before the deployment phase.
- Mentored junior testers in testing processes & automation tools contributing to the development of a **high-performance QA team.**
- Managed **end-to-end test processes** using **Test Management Tools** & maintained detailed **Bug Reports** for continuous improvement.
- To maintain **best test coverage analysis** through **test case** using data mapping for data quality using **SQL** & **Java** by **Quality reviews** for QA on data collections for seamless integrations in multiple databases.
- Played a key role in **defect logging, test reporting** & communicating results across teams using **JIRA.**
- Supported integration of **data models** to ensure accurate d**ata extraction** & transformation across different **MDM platforms.**
- Consolidated scattered producer data across systems by **achieving 25% fewer data errors** by implementing **Informatica MDM** with **Python & SQL transformations.**
- Performing **Match and Merge** in **Informatica IDD Application.**
- Conducted comprehensive **data validation** & testing for **ETL processes** & **APIs** ensuring 100% compliance with internal and external regulations.