

# Sai Nikhil Bogisetty

## ETL MDM Automation Tester

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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, Denodo, 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), Swagger, 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 MDM Automation Tester** 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**. 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**. Certified in **ISTQB Foundation Level v4.0**.

### 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 queries 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 Feb 2020

CERTIFICATION

Capgemini

RPA Developer

Capgemini Feb 2020

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 automated test scripts using JavaScript in Postman for RESTful services, validating headers, payloads & parameterized requests; achieved 95% test coverage.
- Conducted **endurance, stress & volume testing** identifying performance bottlenecks & providing optimization recommendations.
- Built mock services using Postman Mock Server to simulate third-party APIs, reducing test environment downtime by 30%.
- Created detailed test plans and scenarios resulting in zero critical bugs across 3 release cycles.
- Worked closely with Dev teams to debug API issues resulting in a 40% drop in post-deployment API defects.
- 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 parsers & 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.
- Built reusable Postman framework with JavaScript and service mocking, reducing test setup time by 50% and streamlining onboarding of new test cases.
- Designed test cases for provisioning APIs and executed them using Postman with parameterization and chained requests.

- 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**.
- Designed OAuth/ JWT based validation framework to secure 30+ REST endpoints, improving compliance score by 35% during internal audit.
- Used OAuth-based token authentication and validated API security behaviors against business rules.

## **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 **Informatica 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 **data 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**.
- Performed backend testing and API validations using **SQL** and **Postman** across customer management services.