**Swati Sree Chirumamilla**

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**Professional Summary**

Detail-oriented QA Engineer with 5+ years of experience across banking, healthcare, and enterprise domains, specialising in ETL testing, automation, and UAT. Skilled in Selenium, Informatica, Snowflake, Postman, and AWS. Proven success in delivering scalable automation frameworks, managing 60:40 automation-to-manual testing ratios, and supporting SIT/UAT sign-offs. Adept in CI/CD integration, defect tracking, test data creation, and Agile collaboration, strongly focusing on test efficiency, reliability, and release stability.

**Education**

**Master of Science in Computer Science**   
Stony Brook University, New York, USA **Jan 2022 – May 2023**

**Bachelor of Technology in Computer Science**   
B.V. Raju Institute of Technology (JNTUH), Hyderabad, India **Aug 2015 – May 2019**

**Technical Skills**

**Automation Testing:** Selenium WebDriver, Cypress, Testng, JUnit, PyTest

**Programming:** Java, Python, Shell, SQL

**ETL/Data Testing:** Snowflake, Informatica PowerCenter, Informatica Cloud

**API Testing:** Postman, REST Assured, SOAP UI

**Performance Testing:** Apache JMeter, LoadRunner, Performance Centre

**CI/CD Tools:** Jenkins, Git, GitHub, Bitbucket, Maven

**Cloud Platforms:** AWS (S3, Lambda, EC2, RDS), GCP

**Databases:** Oracle DB, MySQL, MongoDB

**Project Management:** JIRA, Confluence, Azure DevOps, Smartsheet

**Professional Experience**

**Comerica Bank**

**Senior QA Engineer |Texas, USA Mar 2024 – Present**

**Roles and responsibilities:**

* Led end-to-end ETL testing using Informatica and Snowflake, validating over 10 M+ financial records for federal reporting accuracy across AWS S3 and Snowflake pipelines.
* Managed a 60:40 automation-to-manual testing ratio, executing 100+ automated scripts and 50+ manual test cases per sprint for web and API validations.
* Developed and maintained robust test automation frameworks using Selenium (Java/Python) integrated with Jenkins CI/CD, reducing regression execution time by 65%.
* Authored and executed manual test cases in QTest, with full traceability to user stories, improving defect detection during UAT by 30%.
* Facilitated SIT and UAT sign-offs, collaborating with stakeholders to ensure test coverage and business requirement alignment, reducing production issues by 40%.
* Conducted defect triage and tracking via JIRA, reducing average defect resolution time from 4 to <2 days through root cause analysis.
* Built custom test data for edge-case validation, enhancing test reliability and coverage across multiple integration environments.
* Participated in code reviews and release management, supporting over 12 successful production deployments with zero rollback incidents.
* Used AWS S3, Lambda, and EC2 for cloud-based validation and log analysis, ensuring scalable and secure testing practices.

**Philips Healthcare –**

**QA Engineer (Automation & UAT) | New York, USA Jul 2023 – Mar 2024**

**Roles and responsibilities:**

* Automated 300+ test cases using Selenium with Java, maintaining stable regression and functional test suites for real-time healthcare monitoring platforms.
* Conducted ETL testing in Snowflake, verifying clinical data accuracy and consistency across multi-layered reporting pipelines.
* Executed API testing with Postman and Python, validating patient data integrations across mobile and web applications, reducing API failures by 35%.
* Managed UAT cycles with business stakeholders and SMES, enabling real-world validation of diagnostic workflows and accelerating sign-off timelines by 25%.
* Integrated automation into CI/CD pipelines using Jenkins, and versioned test assets in Git/Bitbucket, improving release velocity and test reusability.
* Supported SIT and production releases, validating critical workflows under real-user conditions, contributing to zero rollback deployments across 5+ releases.
* Collaborated with Agile teams during sprint ceremonies, tracked defects and stories via JIRA, and maintained traceability using QTest.
* Created and executed manual test cases for UI features and data workflows, enhancing test reliability for patient-facing modules.
* Participated in code reviews, designed test data for edge cases, and optimised test cycles for improved test efficiency and coverage.

**IBM**

**QA Analyst (ETL & Automation) |Hyderabad, India Jun 2019 – Jan 2022**

**Roles and responsibilities:**

* Designed and executed ETL test strategies using Informatica and Snowflake, validating data accuracy across millions of records in enterprise data pipelines.
* Built scalable Selenium automation frameworks in Python, reducing manual test efforts by 60% and ensuring reusability across modules.
* Developed API test suites in Postman and Java for REST/SOAP services, improving backend test coverage and reducing integration defects by 35%.
* Executed manual test cases for edge scenarios, enhancing test reliability and identifying 20% more critical defects during exploratory cycles.
* Performed cross-platform data reconciliation using advanced SQL and Excel macros, detecting and resolving data mismatches across systems.
* Integrated test suites into Jenkins pipelines, enabling scheduled regression cycles and faster feedback loops with automated logging.
* Participated in Agile ceremonies, managed QA artefacts via JIRA and Confluence, and contributed to story refinement and estimation.
* Supported SIT/UAT sign-offs and release validations, ensuring data readiness and functionality across 10+ production deployments.
* Created detailed test plans, test data, and documentation, improving test efficiency and traceability in alignment with QA best practices.

**Certifications**

* Scrum Alliance Certified Scrum Product Owner (CSPO)
* Google Project Management Professional