**Gagandeep Singh Ranu**

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**Professional Summary:**

* **Over 10 years of experience** in the Information Technology Industry as a QA Analyst in distinct phases **of Software Development Life Cycle (SDLC)** with expertise in **Requirement Analysis, Test Plan formulation, Test Design, and Test Automation**.
* Professional expertise in several types of quality testing methods which includes diverse types of **Manual Testing, Integration Testing, Smoke Testing, System Testing, JUnit Testing, White Box Testing, Black box Testing, Database Testing, End to End Testing, Regression Testing, API Testing and Automation Testing.**
* Experience in **Healthcare and Client Server** domain
* Extensive experience in **Bug Reporting** /**Defect Tracking** using JIRA
* Created **Test plan, High level scenarios, test case construction** and **test estimates, resource estimates and weekly status reports.**
* Experience in all phases of **Software Testing Life Cycle (STLC), Software Development Life Cycle (SDLC), Software Development Engineer in Test (SDET),** Bug life Cycle and Methods like **Waterfall** and **Agile**.
* Involved in **Functionality** Testing, **System** Testing, **Regression** Testing, **Negative** Testing, and **Integration** Testing.
* Attend internal QA Meetings to discuss status, progress, and roadblocks
* Very good at Analytic skills and strong programming and a unique competence in controlling critical situations.
* Proficient in developing **Test Planning, Test Cases, Test Scripts and Tracking Defects in HP-ALM/Quality Center, JIRA.**
* Experience in Preparing Test Strategy, developing Test Plan, Detailed Test Cases.
* Written SQL queries and executed procedures to perform back-end testing for expected results.
* Expertise in Database Querying, Data Manipulation and population using **My SQL, Oracle, and SQL Server**. Thorough understanding of Software Development with various programming languages such as, **C, C++, Java**.
* Knowledge in Unix Scripting and Unix commands.
* Experience in working with Rest services.
* Performed database testing using SQL queries to test the data integrity. Also, hands on experience in using **SELECT, UPDATE, INSERT, SORTING, FILTERING, GROUPING, JOINS, BUILT IN functions, AGGREGATE functions, and SUB-QUERIES.**
* Knowledge in Scrum/Agile methodologies.
* Experience on Cost Estimations for Medium, Small & Tiny Projects
* Good knowledge on Traceability Matrices Documents
* Experience on End-to-End testing from project Kick-off to Sign-Off.
* Extensive experience to document User Manuals, Test Process, plans& Procedures.
* Ability to collaborate with testers, business analysts, developers, project managers and other team members in testing complex projects for overall enhancement of software product quality.
* Experience in handling multiple projects at a time with effective outputs.
* Ability to work in-groups as well as independently with minimal supervision.

**Technical Skills:**

* **Version Control Tools**: Git, GitHub
* **Languages**: C, C++, Java, Python
* **Databases**: Oracle, MySQL, Mongo DB
* **Continuous Integration Tools:** Jenkins, Team City
* **Bug Tracking Tools**: JIRA
* **Monitoring Tools**: Splunk, Autosys
* **Frameworks**: Cucumber, Selenium, Marketo
* **Data Visualization Tools**: Tableau, Qlik BI
* **Testing**: Functional, Unit, Regression, Analytics, Manual, Automation, Black Box, White Box, Mobile Testing
* **Software**: Microsoft 365, Aqua Data Studio
* **Other Tools**: SnagIt, IntelliJ, Eclipse, Swagger

**Work Experience:**

**Client: Goldman Sachs, Manhattan, New York July 2020 to Till Date**

**Role: QA Engineer (Analytics)**

**Responsibilities:**

* Worked with the Analytics and Lead Gen team to validate data across dashboards and created test scenarios across devices and perform testing in large data sets.
* Reduced regression testing time by 30% by implementing automated test scripts using Cucumber, resulting in faster software release cycles.
* Collaborated with service and quantum teams to resolve 95% of critical issues within 24 hours, ensuring minimal disruption to trading applications.
* Experienced in database programming and using tools like Aqua Data Studio, Excel (pivot tables, VLOOKUP), DB, Salesforce, and Marketo to pull data and build campaigns.
* Worked with JIRA for issue tracking and monitoring.
* Created and executed test plans, test cases, and test scenarios to ensure software quality and verify functionality, performance, and security.
* Documented and communicated SQL testing results, including defects, test coverage and recommendations for improving data quality and database performance.
* Experience with Data Entry with all the data collected from different sources.
* Manages quality assurance projects, overseeing resource and project planning while ensuring successful and timely project implementation.
* Builds and maintains relationships with business and technical communities, facilitating effective communication and collaboration.
* Lead QA Analytics teams, achieving a 98% accuracy rate in calculating KPIs and ensuring data accuracy for analytics reporting.
* Tested APIs using Swagger and Postman to validate the functionality and integration of backend services.
* Streamlined test execution and issue tracking using JIRA, resulting in 15% increase in overall testing efficiency.
* Utilized Selenium WebDriver to automate functional and regression tests for the web applications, resulting in reduction of release time cycles.

**Environment:** Selenium WebDriver, Selenium IDE, Selenium Grid, TestNG, Java, Bugzilla, Manual Testing, JIRA, Eclipse, Rest API, Postman, XML, JSON

**Client: Goldman Sachs, Manhattan, New York Aug 2018 - June 2020**

**Role: QA Engineer (Analytics)**

**Responsibilities:**

* Keep track of release and **deployment** plans.
* Maintain current versioned code as per the release using **SVN** repository.
* Used the **TestNG** framework and wrote **automation scripts** for **Regression testing.**
* Performed Automation for regression **using Selenium** –web driver and **Scripting language Ruby**.
* Developed test scripts for the manual test cases and wrote helper methods for framework support.
* Performed Black box testing, Functional testing, Regression testing and AdHoc testing of the application.
* Validated and developed scripts in different environments [**QA, Stg, Prod**] and coordinated with cross teams to manage PROD release.
* Creating all the basic units such as **test cases**, **test suites**, **test plans, test projects** using **Test Link**, a web-based test management software.
* Developing test code in Java language using **Eclipse IDE**.
* Involved in execution of test plans and test cases for Manual and Automated testing.
* Conducting a **Smoke test** for few **UI enhancements**, which was done in between the development and testing.
* Responsible for performing sanity testing of new builds.
* Executing various **SQL queries** on SQL developer to validate data.
* Collaborating with the developers to be sure with the testing and performing test code review.
* Submitting the defects detected in the application and tracking the progress of defect fixes **using JIRA**.
* Using Jenkins to schedule the test jobs and email the test report.
* Working on SQL plus for all the **DM**L and **DDL** tickets.
* Performed web services testing with SOAP UI by validating request and response for XML, JSON files.
* Working on few exception tickets which had issues impacting customers or revenue in production and needs to be deployed immediately. These tickets required the **IT Approval Board (ITAB) process** to be followed.
* To write and execute automated test cases using **Selenium Web Driver** to automate manual testing solutions.
* As a part of testing, was monitoring all the Web logic queues and error queues and checking the logs related to an application for all the success/failure cases.
* Working on **WinSCP**, an open source **SFTP/FTP** client for transferring files between a local and remote machine.
* Working with Business Team on **Data Quality**, Metrics and analyzing Business Requirements.
* Performed individual assigned tasks based on the project deadlines and finished the deliverables before the deadlines.
* Configure test environment for specific test cases, create test data, and execute manual tests, document results, and update defect tracking systems.
* Fix scripts/backlog failures and prepare a review board request for approval.

**Environment**: Windows, Ruby, Eclipse, Java, HTML, JavaScript, TestNG, Selenium Web Driver, XML.

**Client: Goldman Sachs, Manhattan, New York Sep 2016 - July 2018**

**Role: Database Analyst**

**Responsibilities:**

* Tested the application through all phases of the **SDLC.**
* Developed Test Plan and Test cases.
* Execute the test cases and check the results in log file.
* Analyze the log file for any defects and report them to development team.
* Performed testing at various levels such as **unit testing, system testing, integration testing, performance testing**, **regression testing** and **acceptance testing.**
* Maintained the Defects using **Defect Tracking System.**
* Performed Backend Testing, by executing the **SQL queries.**
* Wrote SQL statements to extract data from the Tables.
* Execute the **SQL queries** in test environment.
* Entered and tracked defects in the system using **Test Director.**
* Weekly Status meeting with Development and Management teams to discuss bugs and other issues.
* Executed the test scripts on different releases and validated the actual results against the expected results.
* Prepared test status reports during test execution process.
* Participated and reported status in all tests related project team meetings
* Tested Batch Processes developed in **UNIX.**

**Environment:** CVS, JAVA, SQL, Selenium Web Driver, Selenium IDE, Eclipse IDE, TestNG, JUnit, IE, Chrome, Firefox, Windows 7

**Client: LHRIC, Westchester, New York July 2014 - Aug 2016**

**Role: Database Analyst**

**Responsibilities:**

* Constructs and modifies reports from the Data Warehouse to improve instruction and student learning.
* Performed executing SQL queries, improving data extraction and transformation efficiency by 25% for reporting and analysis
* Optimized data handling processes, resulting in a 25% reduction in data-related issues.
* Performs demographic analysis and benchmark analysis for curriculum to measure success.
* Performs database analysis for users such as CIOs, Data Administrators, ASIs, and Teachers.
* Achieved a 95% user satisfaction rate by gathering and translating database requirements into technical specifications.
* Uses Cognos Report Studio to create SQL reports from the data warehouse, tests reports, and fix bugs.

**Client: Value Labs, India Jun 2013 - May 2014**

**Role: QA Tester**

**Responsibilities:**

* Automating, Executing and Reviewing of the test scripts
* Updating the automatic test scripts and manual test cases as per the client requirements.
* Preparation of Overall Integration Test Cases & Execution of Test Cases
* Worked on different functionalities in supplier profile and supplier access.
* Understanding the requirement and automating the test cases accordingly.
* Analyzed the code and developed the functions accordingly
* Developing the functions.
* Executed the test cases manually to understand the functionality of all scenarios.
* Performed analysis during execution and developed test cases for the different releases and cycles for both the applications.
* Shared product knowledge and gave all the relevant, necessary information to other team members and mentored new joiners.
* Worked in cross applications like Supplier Profile to support the deliverables.
* Documented the information related to the Supplier Access application which is very useful to the team members to resolve the issues.
* Shared the technical documents to the new joiners and to the other team members which are prepared by me for the product knowledge sharing.
* Trained the other team members and new joiners how to assign the best codes for the Supplier Access application. Escalating issues on time and logging them using the bug tracking tool.
* Sending daily status to the TEST LEAD.
* Understanding the documents and getting clarifications for the queries if any.
* Working on issues assigned.
* Participating in the client calls and major project/team discussions.
* Participating in the Defect Triage Meetings