

AJIT KUMAR SINGH

AUTOMATION TEST ENGINEER

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📍 Pune, Maharashtra, India

PROFESSIONAL PROFILE

With 3.6 years of hands-on experience in QA/Automation Testing, I specialize in automating web-based applications and employing effective QA and Testing methodologies. Proficient in Python Selenium scripting, I excel in automating web pages and possess a keen understanding of Object Identification within the Application Under Test. Extensive expertise in Python programming, encompassing Data Types, Variables, Operators, Flow Control Statements, Methods (both Built-in and User-defined), Exception handling, File Handling, Excel file Operations, Database Operations, and Object-Oriented Programming (OOP) concepts. Strong Grip on Unix commands and LINUX.

CORE COMPETENCIES SKILLS

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|----------------------|-----------------------|-----------------|
| ➤ AUTOMATION TESTING | ➤ TABLEAU | ➤ DWH TESTING |
| ➤ DATABASE TESTING | ➤ HP ALM | ➤ AZURE |
| ➤ ETL TESTING | ➤ JIRA | ➤ SALESFORCE |
| ➤ API TESTING | ➤ J-METER | ➤ PYCHARM |
| ➤ BI TESTING | ➤ FUNCTIONAL TESTING | ➤ JENKINS |
| ➤ MANUAL TESTING | ➤ PERFORMANCE TESTING | ➤ GIT |
| ➤ UNIX | ➤ BLACK BOX TESTING | ➤ SQL DEVELOPER |
| ➤ PYTHON | ➤ SCRUM | ➤ SQL |
| ➤ POSTMAN | ➤ AGILE | ➤ SSMS |
| ➤ BSS | ➤ TELECOM BILLING | ➤ SSIS |
| ➤ PUTTY | ➤ FRAMEWORK | ➤ PYTEST |

EXECUTIVE EXPERIENCE

- Crafted test cases for ETL that contrast the database systems of the source and target.
- Knowledge of Star Schema and Metadata. Target D/W's Fact and Dimension tables, Staging area, and Source Systems were all examined.
- Engaged in live testing sessions with clients regarding various modules and integration projects. Contributed to test reporting and utilized the JIRA tool for defect logging.
- Responsible for the creation, execution, monitoring, and documentation of test cases.
- Proficient in both Slowly Changing Dimension Type 1 (SCD1) and Type 2 (SCD2) methodologies.
- Performed analysis on records that were rejected. Executed tasks related to both Slowly Changing Dimension Type 1 (SCD-1) and Type 2 (SCD-2). Prepared for upcoming activities. Distributed the test closure report and daily testing status report to all stakeholders. Validating field sizes and verifying restrictions. Participates in supplying test data assistance.

- Generate comparable database queries for both the target and source databases to retrieve data for the report. Validate the results obtained from these queries against the data presented in the report.
- Collaborated with offshore and manual QA teams to generate test data aligned with functional specifications. This ensured validation of both feature and regression scripts.
- Debugged and maintained automation test scripts in batch mode while also devising a plan for automation scripts based on Sprint requirements.
- Closed issues and user stories for each release by conducting verification processes encompassing both manual and automated testing methodologies.
- Developed Python Selenium WebDriver test automation framework scripts.
- Participated in discussions concerning the Defect Tracking Process and maintained updated work progress records using Excel spread-sheets.
- Performed compatibility testing on various browsers utilizing HTML IDs, XPath, and CSS Selectors to scrutinize both dynamic and static content within applications.
- Conducted regression testing on each change made to the application and on new builds.
- Developed a framework for capturing, playing back, and troubleshooting specific test cases, utilizing Selenium Web Driver for increased flexibility in automating tests.
- Coordinating with the security testing and performance teams to analyze the root causes of issues.
- Generated and maintained records detailing automation issues and test results.
- Regularly updating the Test Automation suite is important to maintain its accuracy and usefulness.
- Collaborated closely with developers and business teams to address technical problems.
- Engaged in testing the backend Database, extracted information from the tables through SQL Queries.
- Developed a Page Object Model framework utilizing Python and Selenium.
- Checked if the application is compatible with both dynamic and static content across various browsers like Chrome, Edge, Firefox, and Safari.
- Implemented Selenium GRID to facilitate the execution of automation scripts across multiple browsers.
- Participated in the talks about Defect Tracking Procedure and Recorded Work Advancement in Excel Spread sheets.
- Participating in creating scenarios for testing Role based access security.
- Performed compatibility testing on browsers to assess dynamic and static content using HTML IDs, XPath, and CSS Selectors.
- Analyzing business requirements to define the test strategy, encompassing aspects to be included in automated testing.
- Creating new test scripts tailored to meet the specific requirements of the business.
- Participating in Agile meetings such as the Daily Scrum meeting, Sprint planning, and Backlog refinement for the projects
- Comprehending the needs of the business, the application, and its various parts.
- Ensuring Framework functions are kept up to date as necessary.
- Created and implemented the Automation Test Scripts.
- Possessing a thorough comprehension of Software Test Life Cycle, Test Case Life Cycle, Defect Life Cycle, and related processes. Proficient in Test Case Preparation and Execution.
- Proficiency in Selenium with Python for QA Automation Testing tools.
- Extensive experience in Back-end/ETL Testing and proficiency in SQL are necessary.
- Proficient in practical application of the SSIS suite of tools.
- Possess experience with extensive data sets and comprehend the Data Quality Framework.
- Possess background in conducting API Testing with the Postman tool.
- Proficient in utilizing defect tracking tools like JIRA and HP ALM to manage and monitor issues throughout the software development lifecycle.
- Skilled in improving performance by fine-tuning SQL queries, Stored Procedures, and Views to enhance efficiency.

- Capable of effectively managing multiple tasks and adapting quickly to changes while ensuring timely completion of assigned responsibilities.
- Developed and executed SQL queries for source-to-target testing on an Oracle database. Conducted evaluations on Data Integrity, Transformation, and Quality, ensuring completeness, validity, and uniqueness. Proficient in Selenium for implementing Automation frameworks.
- Proficiency in data analysis, encompassing profiling, auditing, balancing, and reconciliation, within an information technology operational setting.
- Understanding of data models and proficient in interpreting entity relationship diagrams.
- Familiar with data masking techniques and experienced in Meta Data Testing.

EMPLOYMENT HISTORY

Automation Test Engineer, Capgemini, Pune

From October 2020 to till date

Project No: 1

Name: Cardinal Health Provider Portal

Client: Cardinal Health, USA

Project Description: Cardinal Health is a global manufacturer and distributor of medical and laboratory products and a provider of performance and data solutions for healthcare facilities. Through services like ambulatory surgery centres, home care, and long-term care, Cardinal Health serves 90% of all U.S. hospitals and 10,000 specialty physician offices and clinics

Area of Involvement:

- Performed compatibility testing of applications for dynamic and static content of browsers using HTML ids and XPath and CSS Selectors.
- Performed regression testing for every modification made in the application and new builds.
- Created a framework to record, playback, and debug individual test cases, using Selenium Web Driver provided more
- Flexibility in automating test cases.
- Working with the security testing and performance team and analyzing the root causes of the issues.
- Developed and maintained reports of all automation issues and test results
- Updating the Test Automation suite regularly to ensure its accuracy and usefulness.
- Set up Selenium GRID to run automation scripts on different browsers.
- Involved in the discussions of Defect Tracking Process and Updated Work Progress in Excel Sheets.
- Developed test automation framework scripts using Python Selenium WebDriver,
- Implemented Page Object Model framework with Python and Selenium.

- Tested compatibility of application for dynamic and static content in cross browsers such as Chrome, IE, Edge, Firefox and Safari.
- Setup Selenium GRID to run automation scripts on different browsers.
- Involved in the discussions of the Defect Tracking Process and Updated Work Progress in Excel Sheets.
- Participation in Reject analysis with Developers team.
- Executing testing activities and working within deadlines.
- Analyse User stories, and User Interface Specifications documents

Project No: 2

Name : FTC CRM Billing Integration system

Client : FTC Wireless, USA

Project Description: The telecommunications industry is in rapid transition and business convergence has become a reality now. As converged networks come into play, service providers now need to transform their existing or legacy systems. There is a need for a paradigm shift that helps create new services and service concepts in days and weeks, instead of months or years. The challenge is to become agile, and incorporate the ability to quickly and effectively respond to the changes, while still making use of the same platform. System offers a standardized, pre-integrated platform, CSM, with pre-integrated product stack for Policy Control & Charging.

Area of Involvement:

- Understanding the Requirements and Functional Specifications of the application.
- Validate the Reports using SQL Queries, Excel and Cubes.
- Participated in identifying the required Test scenarios and Test Cases.
- Count Validation, Data Model Validation.
- Executed Queries and compared with Dashboard.
- Involved in team meetings in regular intervals of time to monitor the Quality of application in daily, and weekly status report meetings with the respective Citi client and update the involved percentage of Completion of tasks day to day.
- Run the SQL Queries and validate the data.
- Field size validation, checking constraints.
- Analyze SRS and User Interface Specifications documents
- Prepare and Execution of Test cases from Use case to meet Business Logic
- Performed Database Testing at the Application level and analyzed Table structure
- Done the review and send review comments to others.
- Reporting and Closure of Defects submitted in Defect Tracking tool
- Interaction with the development team in the defect-fixing process
- Preparation of Test Requirement Mapping and generating Test Reports.

Project No: 3

Name : Sedera Healthcare Solution for Payers

Client : Sedera, USA

Responsibilities:

- ETL testing involves validating data from both the source and destination. Developing SQL queries and conducting data validation tests.
- ETL testing involves validating data from both the source and destination. Developing SQL queries and conducting data validation tests.
- Collaborated with the development team to analyze rejected cases.
Examining mappings based on SCD-1 and SCD-2. Carrying out testing tasks and working under schedule constraints.
- Examine user stories and documents that describe user interface standards.
- Test cases are developed and run depending on the use case to guarantee alignment with business logic.
- Reviewing is completed, and comments are forwarded to others for additional consideration.
- Execute the SQL queries and verify the data's correctness. Validation of field size is accomplished by checking constraints.
- Working with the onshore team to communicate and resolve faults identified in the defect tracking system.
- Understanding application requirements and features.
- Authenticate reports using SQL, Excel, and Cubes. I helped to establish the appropriate test scenarios and test cases. Validation for counts and data models.
Run queries and compare results to the dashboard.
- Attending team meetings on a regular basis to monitor daily and weekly application quality progress as reported in status meetings.

EDUCATION

- Bachelor of Engineering, Pune University, Maharashtra.

Date :

(AJIT KUMAR SINGH)