

GOWRISANKAR KANCHAM

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QA Automation Engineer

Bangalore



SUMMARY

"Highly skilled QA automation engineer with 3 years of experience in designing, implementing, and executing automated test scripts to ensure the quality and reliability of software products. Proficient in Manual Testing with Test design, Creations of Test Cases & Test Scenarios, Functional testing, UAT testing, Test reports, Sanity, Regression, API Testing, and Proficient in various automation tools and frameworks, including python, selenium webdriver, pytest frameworks, Postman, and Core Java. Demonstrated ability to streamline testing processes, improve efficiency, and enhance product quality. Strong problem-solving skills coupled with meticulous attention to detail, ensuring thorough testing coverage. Committed to continuous learning and staying updated with the latest industry trends to deliver top-notch QA solutions."

SKILLS

- Python
- Robot Framework
- Selenium
- Pytest Framework
- ETL
- SQL
- MongoDB
- Docker
- Kubernetes
- CAN, UDS
- PostMan
- CI/CD
- Jira
- Jenkins
- Git
- VS code
- Azure boards
- Linux
- Windows

EDUCATION

Rajiv Gandhi University of Knowledge Technologies - RK Valley
B.Tech - CSE 2016 - 2020

EXPERIENCE

Sasken Technologies (SEPT-2021 to till)

AWARDS & ACHIEVEMENTS

- Spot Award for taking the ownership of the project and able to handle both automation, manual execution and completed the major release activities within time.
- Certified in **ISTQB** Foundation Level, demonstrating a solid understanding of fundamental testing principles, processes, and best practices in software testing.

PROFESSIONAL SUMMARY

- Experience in designing, developing, and enhancing automated test scripts for selenium using Python and requirement analysis, Test design, Test creation, and support facets of the agile methodology and Software test life cycle.
- Manual and Automation Testing Experience in the IT industry for 3 years
- Excellent working knowledge of designing & implementation of all QA test strategy plans manually and automated Test solutions for client/server and web application with selenium WebDriver
- Developed test Automation frameworks using Python PyTest unit Testing framework
- Implemented Page Object Design Patterns, PyTest fixtures, Log4j reporting for developing Framework with industry standard Best Practices
- Created PyTest test suites and integrated with Jenkins Server and Azure pipeline to execute automation scripts on a regular basis by scheduling jenkins jobs and Azure pipeline in different test environments with different test configurations
- Performed Functional Testing, Data Driven Testing using PyXI Libraries and cross browser compatibility Testing on different browsers like IE, FireFox & Chrome.
- Experience in Manual Testing with Test design and Test Creation using MS Excel tool
- Knowledge of Python, Cucumber & BDD Framework
- Experience in API Testing with different HTTP request POST, PUT, PATCH, GET, DELETE using Post man tool.
- Handled Test Reports documents and maintained their proper organization
- Took ownership on UWC project and taking care of both manual and automation
- Experience in Docker Application Testing, ETL Testing and Adapter Testing using sanity, regression and Functional testing.
- Good experience in Bug Creation using Azure boards and Jira
- Involved in Daily Scrum meetings, Sprint planning and Participated in War room testing to get fix for the bugs, giving Demos in every sprint end to the stakeholders
- Good Knowledge on CI/CD pipeline with Jenkins and azure pipelines.
- Automate the Adapter testing(SAP Adapters) which uses different components using pytest BDD framework.

PROFESSIONAL EXPERIENCE

PROJECTS

Project 1: UNIVERSAL WELLPAD CONTROLLER (UWC)

Oct - 2021 to Dec 2022

Role: Automation & Manual Test Engineer

The Universal Well pad Controller(UWC) is a reference design for a secured management platform that gives third party application developers an easy access to data services including data collection from field devices, control data pathways, and connections to centralized data systems for Upstream Oil and Gas facilities including gas well sites. UWC is a profile on Intel Edge Insights (EII) base platform.

Responsibilities:

- Understanding the feature and Developed Test cases manually.
- Validation and Automation of all modules.
- Automated 97% of the project using Robot framework in python.
- API Testing and Automation using Pytest
- Developed a client-server program that will connect from the server to the multiple client machines and runs the set of test cases simultaneously on all the client machines and copy all the machines reports back to server machine and generates the cumulated result, which will be delivering in an email format attached with all the reports.
- Bug Reporting (JIRA) and Verification.
- Developed and maintained CI/CD pipeline using Jenkins to run the automation code on daily basis

Project 2: Feature Validation in Telematics Control Unit (TCU)

Feb 2023 to June 2023

Role: Manual Test Engineer

Conducted comprehensive testing of the Radio Telematics Control Unit (TCU) focusing on critical features like eCall, eSIM, Modem, Wi-Fi, Bluetooth, and localization. Utilized proprietary tool DeCan, which functions similarly to CANoe, for simulating and sending various message signals to the TCU. Developed and executed test cases to validate the interaction between TCU and external networks, ensuring seamless communication and functionality. Collaborated closely with system engineers to troubleshoot and resolve complex issues, enhancing the robustness and reliability of the TCU features.

Responsibilities:

- Design and develop Test Cases for emergency calls that comply with specifications and regulatory requirements to ensure robust telematics module based on System Requirements and its use cases.
- Understand the System Requirement and its Verification Criteria for eCall.
- API Testing using Postman
- Planned test cycles, created test cases collection.
- Ensured the integrity of test cases in JIRA.
- Supported triage sessions, defect prioritization, regression testing, and defect closure.
- Ensured deliverables are of the highest quality to promote client satisfaction.
- Good Knowledge of system communication protocols like CAN and UDS.
- Experience in tools such as PCAN, CANalyser, JIRA, POLARION.

Project 3: Genix Platform Testing PADI (Process Automation and Digital)

Aug 2023 to Till

Role: Automation & Manual Test Engineer

ABB Ability™ Genix is an advanced industrial analytics and AI suite designed to help companies in various industries harness the power of their operational data. This platform integrates data from multiple sources, including operations technology (OT), engineering technology (ET), and information technology (IT), into a single cognitive data lake. This allows organizations to analyze and derive actionable insights from the vast amounts of data they generate, improving decision-making across the enterprise.

Responsibilities:

- Understanding the feature and Developed Test cases manually.
- Validation and Automation of all modules.(UI, API and ETL)
- Data validation, transformation logic verification, data integrity checks, and end-to-end testing of ETL processes.
- Automated Platform UI using Robot framework and Selenium.
- API Testing and Automated API's using Pytest framework.
- Writing and optimizing SQL queries, managing databases
- Creating and executing basic shell scripts for automation and task scheduling
- Automated Adapters data flow from edge to azure storage using Pytest BDD Framework
- Spearheaded automation testing efforts, leveraging Python and automation frameworks to improve the efficiency of testing cycles. Ensured that testing was integrated within the continuous integration/continuous delivery (CI/CD) processes.