ABHILASH SAHOO

QA AUTOMATION TEST ENGINEER | HEXAWARE TECHNOLOGIES, BENGALURU

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PROFILE SUMMARY

Professional Summary: Results-driven QA Automation Test Engineer with **4.4** years of experience in automation and manual testing for web and client-server applications. Expertise in **Python, Selenium WebDriver, Robot Framework, REST API testing,** and **AWS** automation. Strong understanding of **SDLC**, **Agile** methodologies, **OOP, SQL,** and regression testing. Proven ability to manage testing lifecycle from test planning to **defect tracking** in Finance and **Telecom domains.**

Work Experience:

- 4.4 years of Experience in Software Automation Testing Using Black Box Technique.
- Clear understanding of Software Development Life Cycle models (SDLC).
- Involved in the Designing, and Execution of the test cases.
- Thorough knowledge of software testing methodologies including Sanity, Smoke, Functional, Retesting, Regression, Browser Compatibility, Integration, Usability, and GUI testing of an application.
- Involved in Build up-gradation activities.
- UI automation testing involves testing the graphical user interface (GUI) of an application to ensure that it functions correctly from the end-user perspective.
- Selenium Web Driver and Framework use Pytest and Robot Framework.
- Knowledge about Software quality assurance, ISO, CMM Levels, AGILE methodology.
- API automation tests interact with APIs using HTTP methods like GET, POST, PUT, DELETE, etc., to validate data exchange, error handling, authentication, and response payloads.
- Combining UI and API automation testing provides comprehensive test coverage, ensuring both the front end and back end components of the application are thoroughly tested.
- Involved in Review of Test Cases. Expertise in resolving bugs and issues with developers.
- Logged defect using Defect management tool such as ALM 11 and Jira. Involved in UI and API Testing.

Technical Skills:

- Programming: **Python, SQL, UNIX**
- Automation Tools: **Selenium WebDriver, Robot Framework, Pytest, Postman**
- CI/CD & DevOps: **Jenkins, Docker, Git, Bitbucket**
- Test & Project Management: **JIRA**
- Cloud: **AWS**
- Testing Types: **API Testing, Regression, Functional, Sanity, Smoke, GUI, Compatibility**
- Methodologies: **Agile Scrum, Black Box Testing, Manual Testing**

ORGANIZATION:

Currently working as QA Automation Engineer with **HEXAWARE TECHNOLOGIES** (Yerwada, Maharashtra 411006). From April 2021 to till date.

EDUCATION:

B.Tech: (Metallurgical and Materials Engineering) from
Government College of Engineering, keonjhar, Odisha, India. (2015– 2019)
Intermediate: D.A.V. Public School, Odisha, Dera,Talcher,Odisha, India. (2013 – 2015)
Matriculation: D.A.V. Public School, Odisha, Dera,Talcher,Odisha, India. (2013)

PROJECT - 3 (08/2023 to 04/2025)

Project Name: Monetize 5G and IoT
Client Vertical: US Cellular, USA
Technology & Tool: Pycharm, Python, Robot framework, JIRA, GitHub, REST, JSON, SQL, Selenium, Docker, Postman, CI/CD, Bitbucket.

Project Description:

- 5G is the next generation mobile technology It will enable a host of rich multimedia services such as video calling,
- video on demand, and provide a richer experience for existing services such as mobile internet, mobile TV and MMS.
- 5G networks operate on technology called High Speed Downlink Packet Access (HSPA). Data is transmitted many
- times faster than earlier 2G/3G networks. This basically means that in addition to the earlier audio, graphics, and text,
- you can now send and receive video content too. Monitoring and measuring critical VoIP call quality components is
- relatively easy if you have the right CDR analysis using DWH. Mediation is the process of collecting and processing
- usage data from networked devices, usually for billing purposes. Quality VoIP calls require an IP network that can
- deliver voice packets within the minimum requirements around jitter, packet loss, and latency. This solution allows
- user to report on CDRs to identify low performance VoIP metrics, find other calls affected, and identify potential
- patterns on Cisco VoIP networks. In-depth VoIP call metrics in this solution allows user to view call path details, call.

Roles & Responsibilities with Tool Justification:

- Developed Python-based automation scripts for VoIP call CDR validation and data transformation.
- Created keyword-driven test cases using Robot Framework for system and regression testing.
- Utilized REST APIs and JSON for backend validation.
- Executed SQL queries to verify DWH transformations.
- Performed UI testing for dashboards using Selenium.
- Integrated test suites into CI/CD pipeline using Bitbucket and Jenkins.
- Containerized test environments with Docker.
- Managed tasks and defect tracking in JIRA.

PROJECT - 2 (03/2022 to 08/2023)

Project Name: Online Banking
Client: JPMorgan Chase & Co., USA
Tools & Tech Used: Python, Selenium, Pytest, Robot, GIT, Docker, Jenkins, Postman, API, Rest API, Data Testing

Project Description:

JPMorgan Chase's Online Banking platform offers secure, user-friendly banking services for individuals and businesses worldwide. It integrates advanced technology to provide personal banking, business banking, credit cards, loans, and wealth management services. For businesses, the platform includes corporate banking, cash management, and treasury services.

The platform enables users to manage accounts, transfer funds, make payments, and monitor transactions with enhanced security features, including real-time fraud detection. With mobile banking, bill pay, and investment tools, it provides a seamless digital banking experience that meets the needs of today's fast-paced world. JPMorgan Chase's global reach ensures clients can access banking solutions across North America, Europe, and Asia, with tailored services to meet both immediate and long-term financial goals. The platform supports integration with external financial systems, making it versatile for a wide range of users, from individuals to corporate clients. Through constant innovation, JPMorgan Chase delivers a best-in-class, secure, and comprehensive online banking experience.

Roles & Responsibilities with Tool Justification:

Developed and organized **UI** and **API** test cases. Used **Pytest** fixtures and parameterization for scalable automation scripts.

Automated UI scenarios including user login, fund transfers, transaction history views, etc., ensuring cross-browser compatibility with the help of Selenium.

Use **GIT** for version control to manage feature branches and merge requests for testing code.

Use **Docker** Created isolated test environments for API and UI testing to avoid configuration conflicts.
With the help of **Jenkins** Set up automated build and deployment pipelines. Triggered test automation jobs post-deployment to staging or QA environments.
Use **Postman & Rest API** Validated and tested banking APIs such as user authentication, transaction services, and account info fetch before integrating into automation.
Use **API & Data Testing** Ensured API requests/response accuracy and validated transaction-related data in the backend using SQL.

PROJECT – 1 (01/2021 to 02/2022)

Project Name: Integrated Payment Terminal on AWS Cloud, Telecom BSS
Client: US Cellular, USA
Tools & Tech Used: Manual Testing, JIRA, Database Testing, File Processing, Web Service Testing, Business Intelligence

Project Description:
Cloud services are becoming the new norm for telecom industry and the possibilities are limitless. As more data travels through operators network to sustain and profit operators need to reduce their cost while ensure quick time to market for new offers. Cloud based solutions enables operators with the significant time to market advantage by automating processes such as application deployment, maintenance and capacity planning. QNB enabled applications help break the dependency of software on Hardware , Virtualized software can run independent of underlying hardware thereby giving the much improved performance and scalability at a lower cost. QNB Cloud enabled offering are Pretested and Preconfigured solutions on cloud enabling operators accelerate ready to- use deployment timelines from 4-6 weeks to 1 day and also considerably reduce cost, time and effort for POC.

Advantages:
Ease of Scalability Instantly Expand Capacity at the touch of a button giving operators much needed Agility to expand horizontally and vertically and Elasticity. Rule based Auto Scaling to meet CSP Peak hour traffic offers Elastic Capacity, whenever and wherever It's Needed. This does away need for additional hardware procurement and database each time to increase capacity. Fully virtualized can be deployed on public and private cloud. Faster Implementation - ~99% Lesser Time.
Reduce 80% of DBA dependency.
Single vendor Support Agreement.
Secure Connectivity.
Deployment Models.
Single Tenant & Multi-Tenant.

Roles & Responsibilities with Tool Justification:

Manual Testing:
Executed functional, regression, and system test cases for various modules like payment processing, recharge, and billing workflows.

JIRA: Managed sprints, created and updated defects, participated in daily stand-ups, and maintained user stories and test tasks.

Database Testing: Used SQL to validate transactional data accuracy, invoice generation, and data syncing across distributed systems.

File Processing: Validated flat files (CSV, XML) exchanged between mediation systems, and confirmed successful ingestion and parsing.

Web Service Testing: Performed SOAP and REST service testing to validate integrations like user registration, payment gateway connections, etc.

Business Intelligence: Verified reports and dashboards generated from backend data. Ensured KPIs like recharge success rate, daily transactions, etc., were accurate.