Shrishail C.H

Senior Automation Specialist

PERSONAL INFORMATION

✉ **Email**
shrishail066@gmail.com

📞 **Mobile**
(+91) 7829168599

💼 **Total work experience**
13 Years 0 Month

KEY SKILLS

Python

Selenium

API Testing

Test Scenarios

Robot Framework

Pytest Framework

Python Automation Test Engineer

Tosca Automation

Appium

BDD Framework

OTHER PERSONAL DETAILS

City   Bengaluru

Country   INDIA

PROFILE SUMMARY

QA Automation Engineer with 13 years of experience in designing and implementing robust automation frameworks using Python, Selenium, and Tosca. Expertise in UI and API automation, data validation, and test orchestration across distributed systems. Proficient in Robot Framework, Pytest, Playwright, and Postman for validating microservices and REST APIs. Skilled in CI/CD pipelines with Azure DevOps, Git, and automated test integration for scalable deployments. Experienced in MongoDB, ETL workflows, data warehouse testing, and validating data integrity across systems. Hands-on with golden model simulation and GE plant application testing. Strong background in test strategy, framework design, cross-browser testing, and performance validation. Adept at Agile practices with JIRA/ADO to drive quality in fast-paced delivery cycles.

EDUCATION

2011   ○ B.Tech/B.E.

Visveswaraiah Technological University (VTU)

WORK EXPERIENCE

Oct 2022 - Aug 2024   ○ Senior Automation Specialist

Andortech - Shell Client Project

- Understand requirements and functional specifications; create detailed test cases covering financial models, forecasting, and scenario analysis.
- Review and refine test case and scenario documents to ensure complete coverage of business and data integration flows.
- Execute test cases to validate functional behavior of the application, including data integration between internal systems and external sources.
- Perform cross-browser compatibility testing on Internet Explorer and other browsers to ensure seamless UI functionality.
- Participate in meetings with Product Managers, Developers, and QA teams to gather requirements and define test strategies for financial workflows.
- Develop and execute automated test scripts using Selenium WebDriver and Robot Framework for functional and regression testing.
- Leverage Tosca for robust UI and API automation, ensuring end-to-end validation of workflows and data processes.
- Implement Python automation to validate real-time data processing, transformation logic, and business rule execution.
- Validate data in MongoDB and across microservices for accuracy and consistency in real-time test environments.

Nov 2020 - Sep 2022   ○ Technical Lead

Utthunga Technologies - ABB Client Project

- Requirement Gathering: Collaborated with stakeholders to define the scope of industrial automation projects and

translate high-level requirements into actionable tasks.

- Task Decomposition: Analyzed functional requirements and split them into manageable tasks aligned with device functionalities for streamlined execution.
- Team Leadership: Led a team of engineers, ensuring quality delivery, providing technical guidance, and resolving blockers to meet project milestones.
- Simulation Development: Designed and implemented device simulation modules using Python 2.x/3.x, validating performance in controlled test environments.
- Python Automation: Developed automation scripts to simulate real-world device behaviors, enhance testing efficiency, and reduce manual intervention.
- Tosca Automation: Used Tosca for UI and API test automation, ensuring robust validation of simulation workflows and integrations.
- Mako Templates: Employed Mako templating to dynamically generate simulation files, accelerating the creation of configurable and reusable test scenarios.
- Cross-Functional Collaboration: Coordinated with hardware and QA teams to ensure seamless integration of simulated and physical device interactions.
- Python Version Migration: Managed code conversion from Python 2.x to 3.x, ensuring backward compatibility and stable system performance.

May 2020 - Nov 2020

Technical Lead

Velankani Communications Technologies - Cisco Client project

- Requirement Analysis: Collaborated with stakeholders to understand functional specifications and gather requirements for UI automation.
- Automation Script Development: Led the development and execution of automation scripts using Robot Framework for functional and regression testing.
- Test Execution and Reporting: Oversaw the execution of test cases using pytest and Robot Framework, ensuring accurate reporting and bug tracking.
- Cross-Team Coordination: Facilitated communication between development, quality engineering (QE), and project management (PM) teams to ensure alignment on test requirements.

Apr 2019 - Dec 2019

Technical Lead

Wipro - Verifone Client Project

- OS Transition Support: Worked on transitioning Verifone's payment devices from the existing operating system to Android OS, ensuring compatibility and functionality.
- Device Functionality Testing: Tested the functionality of payment devices running Android OS, validating the seamless operation of contact and contactless card payments.
- Test Automation: Developed and executed automation scripts using Python within the proprietary WATTS 360 and specflow framework to validate device functionality and performance.
- Framework Utilization: Leveraged WATTS 360 framework to simulate real-world payment scenarios, ensuring reliable test coverage and accurate results.
- Issue Identification and Resolution: Identified, tracked, and resolved issues related to Android OS integration, ensuring that payment devices functioned as expected.
- Collaborative Testing: Worked with cross-functional teams to gather requirements, perform tests, and ensure the devices met both technical specifications and business requirements.
- Integration Testing: Conducted integration testing to verify communication between the Android OS and the payment device hardware, ensuring all components worked together seamlessly.
- Documentation: Documented test results, created detailed

bug reports, and maintained test case repositories for future reference and compliance.

Aug 2011 - Jul 2018

Senior Software Engineer

Mindtree - SouthWest Airlines Client Project

- Manual Testing (Initial Career): Started career as a Manual Tester, working on the airline ticket booking application, ensuring the application met functional and business requirements.
- Requirement Understanding: Collaborated with cross-functional teams (PM, Dev, QA) to gather and understand project requirements, application flow, and testing scope.
- Test Case and Scenario Creation: Analyzed requirements to create detailed test scenarios and test cases for functional, integration, and regression testing of the airline booking system.
- Test Execution and Reporting: Executed manual test cases to validate features, logged defects, and tracked issues to closure, ensuring quality and reliability of the application.
- Transition to Automation Testing: Transitioned from Manual to Automation testing, learning and implementing Python for web application test automation.
- Automation Script Development: Automated previously written test cases using Python and Selenium, improving the efficiency and coverage of the testing process.
- Continuous Learning and Skill Development: Actively learned automation frameworks and tools, keeping up to date with industry trends to enhance testing methodologies.
- Collaborative Testing: Worked closely with the development team to identify test requirements, discuss testing progress, and refine test cases and scripts for automated testing.
- Regression Testing: Implemented automation for regression testing, significantly reducing manual effort and ensuring stable functionality after code updates.
- Test Reporting and Metrics: Generated automated test reports and metrics to provide detailed insights into test execution and quality of the application.

Nov 2024 - Present

Technical Manager

Quinnox - Chetwood

Leading a team of 15 technical professionals to successfully deliver 10+ complex projects, including Anaplan model implementations, within tight deadlines, resulting in a 20% increase in client satisfaction.

Implementing agile methodologies for Anaplan development and automation, leading to a 30% improvement in project efficiency and a 15% reduction in development time.

Designed and optimized Anaplan models for financial forecasting and risk assessment, improving data accuracy by 25% and reducing manual effort by 40%.

Developed Python-based automation frameworks to integrate Anaplan with CRM, ETRM, and financial reporting systems, streamlining data processing and validation workflows.

Spearheaded end-to-end API automation for seamless data synchronization between Anaplan, Azure Blob Storage, and external microservices, enhancing data consistency and reducing processing errors by 35%.

Conducted Anaplan training sessions for cross-functional teams, increasing adoption and reducing onboarding time for new users by 50%.

Led continuous improvement initiatives in Anaplan model performance, reducing computation time by 20% and optimizing dashboard responsiveness for better decision-making.

Projects

FIS EPM

The Retail Position Management platform enables the Portfolio Management team to manage portfolio risk, support hedging strategies, and track financial and physical positions at both customer and portfolio levels. It integrates real-time demand forecasts, market prices, customer pricing formulas, and trades from ETRM systems to enhance decision-making. Python-based automation streamlined financial forecasting, Mark-to-Market (MtM) calculations, and P&L analysis. Tosca UI automation and Postman API testing ensured seamless and accurate data flow between Azure Blob Storage, ETRM systems, and internal services. Microservices built with Pymongo validated data integrity across systems. Automated risk assessments and financial reporting improved portfolio monitoring, real-time exposure tracking, and reduced reporting effort by 50%, optimizing financial operations and increasing overall efficiency.

CuBE

CUBE is an innovative web-based platform that models and simulates complex energy commercial transactions. It calculates value, risk, and trade-offs for deferment scenarios, providing deep insights into transaction dynamics. I contributed to enhancing platform efficiency through Python-based automation that ensured accurate data flow between CRM systems, reporting tools, and microservices. Tosca was used for end-to-end UI automation, while Postman validated REST APIs, ensuring seamless system integration. Technologies included Python, Playwright, Pickle for model serialization, Git for version control, Azure DevOps for CI/CD, and microservices architecture. This streamlined approach enabled automated risk assessments, improved simulation accuracy, and reduced reporting time by 50%, delivering faster and more reliable financial insights.

FFT Conversion

ABB is an industrial automation company that specializes in delivering advanced solutions for monitoring liquid flow and continuously measuring liquid temperature for its clients. This project focuses on establishing seamless communication with external devices through Profibus and ProfiNet protocols, enhancing the efficiency of industrial automation systems. Technologies used in the project include Generative AI, AI model validation, **Git** for version control, **MAKO** templates for dynamic web rendering, and programming languages such as **SQL**, **Python** and **C#**. Rendering engines are also utilized to improve the visualization and processing of data. The integration of these technologies ensures optimized performance and reliable operation in industrial environments, helping ABB deliver cutting-edge solutions to its clients.

Verifone

I was involved in automating Verifone devices, specifically focusing on contact and contactless card validation, as they transitioned from Verifone OS to Android. My role included validating these devices using a Python-based framework. The product line includes POS payment devices with proprietary operating systems, security software, and certified payment solutions, designed for both consumer-facing and unattended environments. We leveraged Git for version control, **Jenkins** for CI/CD, and API testing frameworks like Pytest. Additionally, **Robot Framework**, **BDD**, and **Pytest** were used to ensure functionality, security, and performance, ensuring the delivery of high-quality, secure payment solutions during this transition

SouthWest Airlines

The air ticket booking web application supports various

categories, including youth, disabled, check-in, boarding, deboarding, and re-accommodation, as well as different flight types like local on, local off, through, and **ETOPS** flights. Automated testing is performed using Selenium with Java and Python, while API validation is carried out with the requests module. **API** testing is enhanced with Postman, Pytest, and the Robot Framework. Load testing is done using Locust, and project management, along with **CI/CD** integration, is handled through Azure DevOps (ADO). Version control is managed via **Git**, ensuring efficient and streamlined development and testing processes. Technologies used include **Selenium**, **Robot Framework**, **SpecFlow**, **Pytest**, and **Postman**

Chetwood

4 Months

At Chetwood Bank, I was responsible for designing and implementing Anaplan models to optimize financial planning, budgeting, and forecasting processes. The project focused on improving data accuracy, automation, and seamless integration between Anaplan and existing banking systems. Additionally, I leveraged Python and APIs to automate data flows, ensuring real-time updates and reducing manual intervention.
Anaplan Model Development & Optimization

Designed and built Anaplan models to streamline banking operations, including budgeting, financial planning, and risk management.

Created modules, lists, line items, and hierarchies to ensure structured and scalable financial models.

Optimized formulas, calculations, and data structures to enhance model efficiency and reduce processing time.

COURSES & CERTIFICATIONS

MCE