

SUDHANSHU SINGH

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WORK EXPERIENCE

Automation Test Engineer Tata Consultancy Services

Nov, 2022 – Present

- Developed automation scripts using **Java Selenium** and **Gauge (BDD) framework** in an Agile environment, reducing manual testing effort.
- Created **Test Scenarios** and **Test Cases** based on High-Level Solution Design (HLSD) and Low-Level Design (LLD) to ensure comprehensive test coverage.
- Executed automation testing for System Integration Testing (SIT) environments, ensuring high-quality deliverables within specified timelines.
- Conducted **API Testing** using **REST Assured** and tested microservices through **Postman**, validating response accuracy and performance.
- Verified database updates and integrity using SQL Developer, ensuring data consistency and accuracy in test results.
- Collaborated with cross-functional teams to **create** and **execute Test Plans** and **Test Cases**, improving overall product quality.
- Utilized **Maven** for project and dependency management, streamlining the **test automation process**.
- Managed version control using **GitLab**, enhancing team collaboration and reducing merge conflicts.
- Leveraged **IntelliJ IDE** for efficient script creation and debugging, accelerating development time.
- Managed test execution, **bug tracking**, and **documentation** using **JIRA**, **Zephyr**, and **Confluence**, ensuring clear communication and traceability.
- Evaluated candidates for Automation Tester roles, contributing to hiring decisions by assessing technical skills and cultural fit.

Software Test Engineer Compass Systems

Nov. 2020 – Nov. 2022

- Developed and executed automation scripts using **Selenium Java**, **TestNG**, and **NetAutomator**, enhancing test efficiency and accuracy.
- Created and executed detailed **Test Cases** in **TestLink**, identifying critical issues and maintaining high product quality.
- Conducted comprehensive **Smoke**, **Sanity**, **Integration**, **Regression**, and **UAT Testing**, ensuring robust software performance and improved test coverage.
- Logged and managed bugs using **Bugzilla** and collaborated with development teams to prioritize and resolve defects efficiently.
- Utilized **Linux environments** for build deployment, UI debugging, and managing **Tomcat servers**, optimizing system performance.
- Performed basic **Performance Testing** using **NetStorm**, identifying and addressing performance bottlenecks.

Associate Software Engineer Astar NetSolutions

Sept. 2019 – Nov. 2020

- Participate in **Product Training** to gain a deep understanding of the company's product, enabling better test case creation and execution.
- **Assist in Test Data Preparation** by organizing and ensuring the accuracy of data required for various test scenarios.
- Execute **Manual Test Cases** to validate software functionality, documenting any issues and providing detailed feedback for resolution.

- Provide input for **Test Scenarios** by reviewing requirements and suggesting potential scenarios to ensure comprehensive test coverage.
- **Document Risks and Dependencies** by tracking factors that could affect the testing process, ensuring they are noted for future reference.

SKILLS

- **Automation Testing & Frameworks:** Selenium, Gauge (BDD), TestNG, NetAutomator
- **Programming Languages:** Java
- **Project & Dependency Management:** Maven
- **API Testing:** REST Assured, Postman
- **Version Control:** GitLab
- **Bug & Issue Tracking:** JIRA, Zephyr, Bugzilla
- **IDEs:** IntelliJ IDEA
- **Testing Methodologies:** Smoke, Sanity, Integration, Regression, UAT
- **Database Tools:** SQL Developer
- **Performance Testing:** NetStorm, JMeter(Basics)
- **Collaboration & Documentation:** Confluence
- **Build & Deployment:** Linux, Tomcat servers
- **Soft Skills:** Cross-functional collaboration, Effective communication, Candidate evaluation, Quality assurance.

PROJECTS

Core RTC - (NatWest & Royal Bank of Scotland)

- A project featuring pots such as Spending Pots, Travel Pots, and CMS Pots, allowing users to create different pots to save money for various purposes.
- **Role:** Automation Test Engineer
- **Skills:** API Testing, DB Testing, RestAssured, Selenium, Java, BDD

Client Monies Service (CMS) - (NatWest & Royal Bank of Scotland)

- Developed a secure virtual account system for managing third-party funds without the need for separate bank accounts.
- **Role:** Automation Test Engineer
- **Skills:** Gauge BDD Framework, Selenium, Java, JIRA, TeamCity

NetDiagnostic Dashboard - Kohls

- Created a unified performance engineering platform integrating multiple Cavisson products into a single UI.
- **Role:** Software Test Engineer
- **Skills:** NetAutomator, Selenium, Java, TestNG, Bugzilla, TestLink

EDUCATION

- **B. Tech in Computer Science Engineering** - G.I.E.T, Gunpur, India 2016 – 2020
- **Intermediate (Science - PCM)** Vikash Residential School, Bargarh, India 2015 – 2016
- **Matriculation** Vikash Residential School, Bargarh, India 2013 – 2014

CERTIFICATION

- Generative AI Fundamentals - **Google**
- Technical Support Fundamentals - **Google**
- Career Essentials in Generative AI - **Microsoft and LinkedIn**
- Data Analytics – **RayRC**