

# PURUSHOTHAM VILASAGARAM

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## SUMMARY

Automation QA Engineer with over 2+ years of extensive experience in web application testing, specializing in automation and performance testing. Skilled in leveraging a wide range of tools and frameworks, including Selenium WebDriver, TestNG, JMeter, Docker, and CI/CD pipelines to ensure efficient and accurate test coverage. Proficient in developing, executing, and maintaining robust automation scripts that drive efficiency by automating repetitive test cases, resulting in a substantial decrease in manual testing effort and faster release cycles.

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## WORK EXPERIENCE

### Quality Assurance Analyst , Infor India Pvt Ltd.

July 2024 - Present

- Led automated testing strategies and executed performance evaluations for the DataMesh platform, focusing on enhancing data synchronization and ensuring comprehensive system stability and reliability.
- Spearheaded the design and development of detailed test plans, creating automation scripts for extensive regression testing, boosting overall test coverage, and accelerating release timelines.
- Implemented advanced data validation techniques to secure data integrity and maintain consistency across distributed microservices and environments.
- Performed rigorous performance analysis using JMeter to proactively identify potential system bottlenecks and optimize system responsiveness and throughput.
- Worked in close coordination with developers, product managers, and DevOps teams to quickly identify, triage, and resolve defects, contributing to the timely delivery of robust and reliable software products.
- Documented all testing procedures and results, establishing a comprehensive knowledge base to streamline onboarding for new team members and ensure knowledge continuity.

### Software Test Engineer - I, Albanero dev pvt. Ltd. (Acquired by Infor)

Jan 2023 - Jun 2024

- Automated critical test scenarios by leveraging Selenium and TestNG frameworks, resulting in a 30% reduction in overall test cycle time and increasing release cadence.
- Conducted performance testing utilizing JMeter, identifying key areas for optimization, and enhancing application scalability and response times by 20%.
- Designed and maintained CI/CD pipelines, integrating automated tests into deployment processes to ensure consistent, reliable, and automated software builds and releases.
- Provided hands-on mentorship to junior QA engineers, leading knowledge-sharing sessions and establishing best practices in automation testing methodologies.
- Facilitated cross-team collaboration, participating in sprint planning, daily stand-ups, and retrospective meetings to ensure smooth testing execution and feature rollouts.
- Delivered comprehensive reports and defect documentation, ensuring stakeholders had clear visibility into test results, system issues, and overall project progress.

## PROJECTS

- **Automated Web Testing:** Built robust automated test suites covering major web functionalities, resulting in a 40% reduction in manual regression testing efforts and improved test accuracy.
  - **API Testing Automation:** Developed extensive API automation frameworks using Rest Assured, ensuring consistent data validation across various environments and streamlining test execution.
  - **Performance Testing & Optimization:** Conducted extensive performance and load testing using JMeter, uncovering critical inefficiencies and boosting system response times by 20%.
  - **DataMesh Platform Validation:** Orchestrated automated testing for data synchronization and validation across the DataMesh platform, ensuring reliable data flow and enhanced system performance.
  - **End-to-End Testing Framework:** Designed and implemented a scalable end-to-end testing framework integrated with CI/CD pipelines, increasing deployment confidence and system stability.
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## EDUCATION

<b>Bachelor of Technology In Civil Engineering</b> Jawaharlal Nehru Technological University, Hyderabad	<b>2017 - 2020</b>
<b>Diploma In Civil Engineering</b> State Board Of Technical Education And Training	<b>2014 - 2017</b>

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## TECHNICAL SKILLS

- **Testing Tools:** Selenium WebDriver, TestNG, JMeter, REST Assured, Postman
  - **Programming Languages:** Java
  - **Database:** SQL
  - **DevOps Tools:** GitLab, Docker, Jenkins, JIRA, Confluence
  - **Testing Approaches:** CI/CD Integration, API Testing, Data-Driven Testing, Regression Testing, Performance Testing
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## LANGUAGES

English, Telugu, and Hindi

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## CERIFICATIONS

- Selenium 101 Certification, **LAMBDATEST**
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## ADDITIONAL INFO

- Currently pursuing ISTQB certification to further expand testing expertise and formalize quality assurance skills.
- Proactively participating in QA forums and contributing to open-source automation frameworks to stay updated with industry trends and innovations.
- Eager to continue developing automation frameworks, refining testing processes, and exploring opportunities that challenge technical and analytical skills.