STEPHIN RACHEL THOMAS

ISTQB CERTIFIED ENGINEER

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SKILLS

- Python
- Bash script
- Jenkins
- Groovy
- Selenium
- Puppeteer
- Nightwatch.js
- Docker
- Containers
- Openshift
- AWS
- AirSim
- IBM DOORS
- Bit Bucket
- HTML / CSS
- JavaScript
- JQuery
- Angular JS

PROFILE

Experienced Software Engineer with 8 years of professional expertise in delivering high-quality software products through a combination of robust development practices and meticulous testing strategies.

Proficient in utilising various development, testing frameworks and tools, including CI/CD tools, to automate testing and release processes and reduce manual testing efforts.

Good analytical thinker, highly organised, multitask expert and effective communicator.

EDUCATION

CUSAT , 2013 – 2015,   India

Master Of Technology in Computer Science and Engineering with specialization in Digital Image Processing

Graduated with a CGPA of 9.01 on a scale of 10.0

Kerala University , 2009 – 2013, India

Bachelor of Technology in Computer Science and Engineering

Graduated with a CGPA of 8.06 on a scale of 10.0

WORK EXPERIENCE

Honeywell, Canada

System Engineer II

August 2024 - Present

- Provide technical expertise in system design, implementation and defining system requirements in DOORS tool.
- Test/Debug test environment set up and product.
- Analyze and provide guidance to developers what to fix in the software.
- Identify opportunities to improve system processes, performance, and security. Propose and implement solutions to enhance system efficiency and reliability.
- Develop scripts and tools to automate repetitive tasks, system monitoring, and management processes, enhancing efficiency and reducing human error.

SKILLS

- Node JS
- Linux
- JIRA
- Agile
- TestRail
- Github
- Gitlab
- Excel

LANGUAGES

- English
- Malayalam

CERTIFICATIONS

- ISTQB - Foundation Level

ACHIEVEMENTS

- Batch topper from Cognizant Academy
- Published a journal - Image retrieval Using Relevance Feedback Model in the International Journal Of Engineering Trends and Technology

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- Plan and manage the integration of different system components, ensuring seamless interaction and data flow between hardware, software, and network elements.

Honeywell, Czech Republic
Software Engineer II
October 2023 - Present

- Supporting setup, installation and execution of test program plans and procedures.
- Test/Debug test environment set up and product.
- Committing to test schedules and providing excellent quality of work to meet projected costs through effective communication and cooperation.
- Reporting bugs of varying severity (minor, major, critical) to improve product quality, resulting in increased customer satisfaction.
- Software Verification and Validation based on DO-178 B specification.
- Ensuring compliance to Aerospace processes and procedures.
- Documentation of test process.
- Debug and Investigation of root cause of the defects.
- Worked with cross-functional teams to resolve the issues.

Red Hat, Czech Republic
Software Quality Engineer
June 2019 - September 2023

- Develop and document detailed, comprehensive, and well-structured test cases
- Design and document test plans, including scope, objectives, resources, and schedule. Ensure alignment with the overall project goals and timelines.
- Implement automated test scripts using JavaScript, Selenium, and Python. Ensure automation of regression, functional, and performance tests to enhance testing efficiency.
- Design and develop scalable and maintainable test automation frameworks
- Identify, document, and track defects and inconsistencies within the software. Work closely with developers to prioritize and resolve issues.
- Implementation of CI/CD pipelines using Jenkins to ensure timely product delivery in DevOps environment.
- Automation of product release process to make release more often and fast with zero defects.

- Design and execute tests for applications running in Kubernetes environment
- Perform testing on cloud-based platforms, ensuring compatibility, performance, and security across different cloud services (e.g., AWS, Azure)
- Work closely with development, DevOps, and product teams to ensure seamless integration of testing processes into the overall development workflow.

Cognizant Technology Solutions, India
Programmer Analyst
March 2016 - October 2018

- Responsible for developing codes for creating responsive and adaptive web pages with effective functionalities.
- Involved in creating Web Application front end as per design documents and information architecture
- Ensuring design consistency with client's development standards and guidelines
- Involved in creating and designing conceptual diagrams, visual mockups, and managing detailed user interface specifications
- Configuring workspaces for running the application and sharing the code developed.
- Design and implement test scripts on test tools, scripting languages and HTML/CSS.
- Conducting usability testing to resolve interface problems in application development.
- Performing unit testing and creating individual report for the screens developed.
- Integrating existing software products and getting incompatible platforms to work together along with frontend application with the application business layer.
- Collecting feedback from design and technical staff on Website development needs

Amazon Development Centre, India
Device Associate
September 2015 - February 2016

- Conducted end to end testing of Amazon Kindle Devices, ensuring high quality product delivery and meeting customer needs.
- Identified and reported bugs of varying severity.
- Developed comprehensive test plans and test cases using TestRail tool, ensuring effective and efficient testing and accurate reporting of test results
- Conducted exploratory testing on tablet devices, identifying potential issues and risks, and providing valuable insights into product performance.