



Yamuna Jayaraman

Test Architect

CONTACT ME

-  <https://github.com/yamunarayan>
-  +91 801-536-4571
-  jayyamuna18@gmail.com
-  <https://medium.com/@lvalini>
-  <https://www.linkedin.com/in/yamuna-jayaraman/>

SKILLS

Core java	<div><div></div></div>
Selenium Webdriver	<div><div></div></div>
RestAssured	<div><div></div></div>
Maven	<div><div></div></div>
TestNG	<div><div></div></div>
Jenkins	<div><div></div></div>
GitHub	<div><div></div></div>
Playwright	<div><div></div></div>
Data Structures	<div><div></div></div>
JS	<div><div></div></div>
SQL	<div><div></div></div>
Postman	<div><div></div></div>
Design patterns	<div><div></div></div>
Linux basics	<div><div></div></div>
Jira	<div><div></div></div>
Confluence	<div><div></div></div>
Concourse	<div><div></div></div>
AWS	<div><div></div></div>
Microservices	<div><div></div></div>

PROFESSIONAL SUMMARY

- Determined Automation Test Engineer with 11+ years of experience in software testing, having performed multiple consulting roles throughout my career across various domains. Distinguished functional tester with strong test enumeration techniques.
- Contributed to the design and implementation of multiple test automation frameworks – data-driven, BDD, and hybrid. Integrated design patterns and SOLID principles into frameworks to improve maintainability, extensibility, and performance.
- Played a key role in implementing CI/CD pipelines, enabling continuous testing and empowering Agile squads with faster feedback loops. Proactively involved in triaging issues, debugging failures, and providing actionable resolutions. Experienced in working closely with cross-functional teams, including developers, product owners, and DevOps engineers.
- Also contributed to backend development efforts by building internal tools, reusable Java libraries, and RESTful APIs that supported automation infrastructure. This experience strengthened collaboration between QA and development teams and improved overall system design understanding.
- Passionate mentor who helps peers and junior team members grow in test automation and complete their tasks effectively. Currently exploring microservices architecture, backend system design, and cloud integration to further enhance my technical depth.

WORK EXPERIENCE

Software Engineer In Test
Comcast | Chennai

2024 - Present

- Led a team in designing and implementing a scalable automation framework, improving testing efficiency and accuracy. Developed custom libraries and utilities to streamline workflows and enhance code reusability. Provided technical mentorship, fostering innovation and collaboration within the team.
- Leveraged best practices and technologies to create a modular architecture for tool integration. Delivered API and UI frameworks on schedule and within budget, exceeding client expectations.
- Collaborated with backend developers to understand system architecture and assist in building reusable components for test infrastructure.
- Developed and maintained custom libraries in Java to support automation frameworks, improving reusability and reducing duplication.
- Contributed to RESTful microservices using Spring Boot for internal tools used by QA teams.
- Participated in code reviews, ensuring clean code principles and best practices were followed.
- Helped implement logging and error-handling enhancements that improved debugging efficiency.
- Integrated tools into CI/CD pipelines using Jenkins and Concourse for automated builds and deployments.

ITFS	<div></div>
Cucumber	<div></div>
Log 4j	<div></div>
IntelliJ IDEA	<div></div>

EXPLORING SKILLS

Cloud computing	<div></div>
Contract based testing	<div></div>
Microservices	<div></div>
Architecture	<div></div>

EDUCATION

B.E in CSE
Alpha Engineering college

H.S.C
TN state board

S.S.C
TN state board

LANGUAGES

English	<div></div>
Tamil	<div></div>

WORK EXPERIENCE

Software Engineer In Test2019 - 2021
Cognizant | Chennai
Client : Natwest Group - PNM (API Automation)

- Worked as a functional tester as well as an API Automation developer, who takes care of feasibility study, effort estimation along side automating the scenarios
- Closely working with developers to get the contracts and definitions of API
- Conduction thorough validation of the APIS manually in postman then consider for Automation
- Implemented the API automation framework using RestAssured and integrated with the libraries like lombok, hamcrest matchers, testNG and gson
- Involving in test execution, triaging the failures and stabilise the scripts accordingly and delivered the
- Worked with cross functional teams to analyse the dependences of the other micro services
- Integrated the test automation suite with the jenkins pipeline and configured smoke and regression jobs to reuse for release

WORK EXPERIENCE

QA Engineer2015 - 2019
Pro karma softech | Chennai
Client : Kewit

- Worked as a functional tester as well as automation tester
- Responsible for all day-to-day aspects of system testing on projects.
- Analysis of requirements after deciphering the key business points from the Functional Design document.
- Developing the test cases using the test case design technique like EP, BVA and validating the edge cases
- Getting the scenarios reviewed by the business analyst
- Automated the front end test cases using selenium with java as a programming language
- Defect Tracking in JIRA and sharing all documents to relevant stakeholders through confluence.
- Prepared the following Project-specific documents: Test Estimation, Test Plan.
- Involved in planning test activities including logging, tracking, and resolution.
- Produced system test deliverables to agreed timescales, budget, and quality.
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Test Analyst
Protracon | Chennai

Client : HCV
Worked as a functional tester.
Involved in all aspects of system testing across various projects. I began by carefully reviewing Functional Design documents to understand core business requirements and translate them into effective test strategies.
I created detailed test cases using standard techniques like Equivalence Partitioning (EP) and Boundary Value Analysis (BVA), ensuring thorough coverage—including edge cases and critical user scenarios. These test scenarios were then reviewed with Business Analysts to confirm alignment with business expectations.
To improve efficiency, I helped automate front-end test cases using Selenium with Java, gaining hands-on experience in scripting and automation frameworks.
I also used JIRA to log, track, and monitor defects throughout the development lifecycle, supporting timely fixes and clear communication across teams. Key project documentation, including Test Plans and Estimations, was prepared and shared via Confluence to keep stakeholders informed.
Actively participated in planning and organizing testing phases, contributing to on-time delivery of high-quality testing outputs within project timelines and standards.