

Dhayanithi S

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CAREER OBJECTIVE

Motivated and detail-oriented QA Automation Engineer with hands-on project experience in building automation frameworks using Selenium, Postman, and REST Assured. ISTQB Foundation Level Certified Tester, with a strong understanding of SDLC, STLC, and Agile principles. Skilled in functional and API testing, test case design, and integrating tests into CI/CD pipelines using Jenkins and Docker. My three years of Civil Services preparation helped me develop strong analytical thinking and a disciplined, methodical approach, which I now apply to my testing work. Eager to contribute to software quality through continuous learning, practical skills, and dedication.

TECHNICAL SKILLS

- Automation Tools: Selenium WebDriver, Postman, REST Assured
- Programming & Scripting: Java, JavaScript (for Postman test scripts), SQL (basic)
- Frameworks & Libraries: TestNG, Cucumber, Apache POI, Hybrid Framework, Data-Driven Framework
- API & Web Services Testing: REST APIs, JSON Schema Validation, Postman CLI, Newman CLI
- Build & CI/CD Tools: Maven, Jenkins (used for executing & Scheduling automated test runs), Docker
- Databases: MySQL (basic queries and validation)
- Reporting & Logging: Extent Reports, Allure, Log4j2
- Methodologies & Concepts: ISTQB-aligned testing principles, SDLC, STLC, Agile methodologies

PROJECT & TRAINING EXPERIENCE

- Designed and implemented a comprehensive hybrid automation framework combining UI and API automation, ensuring complete functional, regression, and integration testing coverage for both web and backend layers.
- Developed the UI automation module using Selenium WebDriver, Java, TestNG, and Maven, following the Page Object Model (POM) architecture and OOP principles to achieve modularity, reusability, scalability, and long-term maintainability of test scripts.
- Implemented API automation frameworks using Rest Assured and Postman/Newman, covering RESTful services, supporting CRUD operations (GET, POST, PUT, PATCH, DELETE), API chaining, and JSON Schema validation for payload accuracy and contract verification.
- Incorporated Data-Driven Testing (DDT) with Apache POI and parameterized TestNG suites, enabling dynamic test execution with external data inputs, improved test coverage, and reusable data sets.
- Architected framework components with a clear separation of concerns, isolating test logic, configuration management, utilities, environment settings, data sources, and reporting modules for better maintainability and scalability.
- Externalized environment-specific configurations (base URLs, credentials, timeouts) for effortless environment switching and multi-environment validation.
- Built reusable request builders, response parsers, and payload handlers to standardize API testing logic, reduce redundancy, and simplify framework extension for new endpoints.
- Enabled cross-browser and parallel test execution using TestNG XML configurations, Dockerized Selenium Grid, and Newman CLI, ensuring faster execution cycles, environment scalability, and consistent results across browsers and platforms.

PROJECT HIGHLIGHTS

- Integrated Jenkins CI/CD pipelines for automated build triggers, nightly regression runs, and on-commit test executions, supporting continuous quality validation and smooth integration with DevOps workflows.
- Enhanced observability and reporting using Extent HTML Reports for visual test summaries, Log4j2 for real-time logging and debugging, and automated screenshot capture on failures integrated into reports for detailed defect analysis.
- Applied layered validation mechanisms asserting HTTP status codes, headers, response payloads, and schema structures to ensure reliability and stability of backend services.
- Established retry mechanisms, grouped test suites, and regression/sanity classifications through TestNG suite files, providing controlled and efficient test execution management.
- Automated execution reporting and health metrics, filtering validated results to ensure reporting accuracy and maintain framework consistency.
- Performed iterative framework refactoring to enhance scalability, minimize coupling, and simplify integration of future functionalities or endpoints.
- Delivered a robust, CI-integrated, and extensible hybrid automation solution that significantly reduced manual testing effort, improved test coverage, and accelerated release feedback across both UI and API layers.

CERTIFICATIONS

- ISTQB Certified Tester – Foundation Level (Oct 2025)
- Selenium with Java – Udemy (Completed)
- Postman API Fundamentals Student Expert Badge – Postman (Sep 2025)
- API Testing using POSTMAN & REST Assured – Udemy (Completed: Sep 2025)

PROFESSIONAL STRENGTH

- Methodical and organized approach to problem-solving
- High level of thoroughness, carefulness, and attention to detail in testing activities
- Strong analytical and critical thinking abilities applied to test design and defect analysis
- Good communication and active listening skills for effective collaboration with teams
- Quick adaptability to new tools, technologies, and testing methodologies

Education Bachelor of Engineering – Electronics and Communication Engineering

Bannari Amman Institute of Technology

2018-2022, CGPA-8.1