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, SoapUI (basic)
- **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

Projects & Training

Project 1: **OpenCart Web Automation Framework**
Type: Functional Web Automation | Tools: Java, Selenium WebDriver, TestNG, Maven, Jenkins, Docker, Apache POI

- Developed a scalable hybrid automation framework for the OpenCart e-commerce platform to validate key user workflows (login, search, add-to-cart, checkout).
- Applied Page Object Model (POM) and Data-Driven Testing principles using Apache POI for modularity and flexibility.
- Configured parallel execution and cross-browser testing using Dockerized Selenium Grid and TestNG XML.
- Integrated with Jenkins CI/CD pipeline for automated build triggers and scheduled regression runs.
- Implemented custom Extent Reports for real-time HTML reporting with screenshots and categorized logs.
- GitHub: opencart_v121

Project 2: **Postman API Automation Framework for RESTful Services**
Type: API Automation (Functional, Regression, Data-Driven) | Tools: Postman, Newman CLI, Jenkins, JSON Schema, JavaScript

- Developed modular collections using pre-request scripts and test scripts for maintainability and reusability.
- Built a modular API automation framework in Postman covering Weather, User, and Product Management services.
- Implemented API chaining, CRUD validations, and schema-based assertions with dynamic parameter handling.
- Enabled data-driven testing using environment variables and collection-level scripting.
- Integrated with Newman CLI and Jenkins CI/CD for automated regression runs and HTML reporting.
- *GitHub: OnlineStoreAPI | UsersAPI | Weather Chaining*

Project 3: **Online Store API Test Automation Framework**
Type: REST Assured API Automation | **Tools**: Java, REST Assured, TestNG, Maven, Java Faker, Jackson, Extent Reports, Allure

- Developed a modular API test framework using REST Assured and TestNG for Products, Users, Carts, and Login modules.
- Applied POJO modeling, Data Providers (JSON/CSV), and Java Faker for dynamic, data-driven test execution.
- Automated CRUD operations, with validations for auth flows, sorting, filtering, and date-range logic.
- Enabled parallel test execution, robust logging, and TestNG suite configuration to support scalable regression testing.
- Used JSON schema validation, status code assertions, and reusable utility methods for maintainable test design.
- Integrated Extent Reports, with optional Allure, and enabled CI/CD execution via Maven, Jenkins, and GitHub Actions.
- GitHub: OnlineStore_RestAPI

Certifications
- ISTQB Certified Tester – Foundation Level (Awaiting Certificate, 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 Strengths
- 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