Bilguun Zorigtbaatar

Software Test Automation Engineer – Software Engineer

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TECHNICAL SKILLS

Testing Tools	Selenium WebDriver, Postman, SQL
Build Tool	Maven
Test Framework	TestNG, Junit, Data Driven Framework & Cucumber BDD
Devos Framework	Flask, Spring Boot, MERN
Languages	Java, JavaScript (ES6+), Python
Frontend	HTML, CSS, ReactJS, Bootstrap, Jinja2, JSP, Mongoose
Backend	Node.JS, Express.JS, MySQL, MongoDB, NoSQL, RESTful API, Oracle SQL
Tools	Git, GitHub, npm, Visual Studio Code, Jira
Operating System	Windows & IOS

PROJECTS

BooBoo   Demo Video | Github

BooBoo is Book listing website. This web application is built on MERN: MongoDB, Express.js, React, and Node.js.

- Utilized Bootstrap is used to create a responsive website that allows users to browse the website on different tools.
- Designed RESTful backend routes to allow quick lookup of user and track information for a smooth user experience.
- Implemented a comprehensive user authentication system using JWT to secure user data and sessions.
- Integrated an advanced search functionality allowing users to filter books by genre, author, and rating.
- Created user profiles enabling book tracking, review, submissions, and personalized recommendations.

MyRecipes   Demo Video | Github

MyRecipes is a web application built using Flask, Python, and MySQL, leveraging a comprehensive recipe dataset The dataset includes over 180,000 recipes and 700,000 recipes reviews, covering 18 years of user interactions. The app allows users to search for recipes by ingredients for specific meals.

- Utilized Bootstrap is used to create a responsive website that allows users to browse the website on different tools.
- Designed RESTful backend routes to allow quick lookup of user and track information for a smooth user experience.
- Implemented an advanced search feature that enables users to find recipes by ingredients, catering to specific meal preferences.
- Integrated a user review system where users can rate and review recipes, providing valuable feedback to others.
- Developed a feature for users to save favorite recipes and create custom meal plans.

PROFESSIONAL EXPERIENCE

QA Lead Automation Engineer
TechCircle Solutions, LLC   *Jan 2022 – Present*

- Instructed on industry-standard tools and technologies such as Selenium WebDriver, JUnit, TestNG, and Cucumber for automated testing.
- Design and implement comprehensive test plans to ensure that systems and software behave as expected and meet customer requirements.
- Write test plans, create test cases/ scenarios, executing manual or automated test scripts, generate test results, analyze test results, and coordinate with the development teams for bug fixes
- Utilized CSS selectors, IDs, and XPaths to locate elements on Web pages.
- Log defects, creating defect reports, and conducting regression testing.
- Developed framework using Cucumber, Junit, TestNG, Page Object Model, Page Factory.
- Worked closely with developers to assign proper object identifications properties for web objects to solve the object recognition issue in Selenium WebDriver.
- Created SQL Queries and performed back-end testing to check compared UI and the database.
- Performed API testing using Postman and RestAssured, including validating JSON and XML responses, and testing RESTful web services.
- Participated in test cases review meetings with the testing team and provided input to the test cases.
- Prepared weekly test execution status report and presented in weekly status meetings.
- Developed BDD tests using Cucumber by writing behaviors and step definitions. Developed required Selenium support code in JAVA for Cucumber.
- Assisted QA lead in documenting User Acceptance Test reports and reporting defect resolution.
- Responsible for identifying test cases for Smoke Test, Functional, and Regression Tests.

QA Automation Engineer
Farm Credit Bank of Texas   *Jan 2020 – 2022*

- Involved in building automation framework from scratch using Selenium WebDriver, and Cucumber (BDD).
- Experienced in Cross Browser Testing by executing test cases in Firefox, Chrome, and Internet Explorer.
- Utilize CSS selectors, IDs, and XPaths to locate elements on Web pages.
- Performed BDD (Behavior Driven Development) using Cucumber Features, Scenarios, and Step Definitions in Gherkin format.
- Used Maven for build management, and Jenkins for Continuous Integration of the builds.
- Assessed and analyzed user stories and participated in Sprint planning, Review Sessions & Scrum Meetings, and developed Test scenarios, Test cases, Test data, Test procedures, Test reports.
- Performed UI, Functional, and Regression testing by automated using Selenium WebDriver, Cucumber, Maven, and Jenkins.
- Developed Automation framework implementing Page Object Model, using JAVA, Selenium Web Driver, and Cucumber.
- Used Selenium WebDriver to run test cases in multiple browsers and cross Platforms.
- Integrated Automation scripts (Selenium WebDriver API) in Continuous Integration tools (Jenkins) for nightly consignment run of the Script.
- Assisted in managing and updating Requirements Tracking tool.
- Support test and technical teams involved in developing requirements and software design artifacts to ensure familiarity with the requirements and expected functionality of the system.
- Maintains necessary level of communication with team members and other support groups and does so in a participative management style, conducive with operational goals.
- Develop performance test plans and cases including an automated test scenario and environment for performance testing.

- Log defects, creating defect reports, and conducting regression testing.
- Performed API testing using Postman and RestAssured, including validating JSON and XML responses, and testing RESTful web services.

EDUCATION

University of the Potomac, School of Business   **Washington, DC**
Master of Business Administration in Marketing (MBA)   *June 2020*
- **Concentration:** Marketing Manager
- **GPA:** 3.90/4.00, graduated with distinction.

Washington University of Science and Technology (WUEST)   **Washington, DC**
Master of Science in Information Technology (MSIT)   *2024*
- **Concentration:** Software Design and Management.
- **GPA:** 3.75/4.00.