

# Snehashree B N

## Software Automation Test Engineer

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### PROFILE

A highly analytical and problem-solving-oriented Software Test Engineer with 5.2 years of experience in both automation and manual testing. Proficient in Playwright and JavaScript, with strong practical knowledge of CI/CD pipeline integration. Demonstrated ability to implement best testing practices, improve test coverage, and ensure high-quality software delivery.

### CAREER OBJECTIVE

To leverage my technical expertise and problem-solving skills to contribute effectively to organizational goals, while continuously improving performance and delivering high-quality results.

### WORK EXPERIENCE

Test Yantra Software Solutions (India) Private Limited, Software Automation Test Engineer	12/2025–Present
Heliccs Bharat Engineering Private Limited, Software Test Engineer	12/2020–11/2025

### TOOLS, TECHNOLOGIES & PROGRAMMING SKILLS

**Playwright:** Hands-on experience in automating web applications using Playwright across Chromium, Firefox, and WebKit, with strong knowledge of POM, fixtures, hooks, assertions, annotations, and reporting.

**JavaScript:** Applied core JavaScript concepts including variables (var/let/const), functions, ES6+features, and asynchronous programming (Promises, async/await) to develop and maintain automation test scripts, along with effective logical problem-solving during test execution and debugging.

**Java:** Good knowledge of Java fundamentals, OOP concepts, collections, constructors, exception handling, and basic programming.

**VS Code:** Hands-on usage of IDEs for writing, reviewing, and executing automation scripts and basic JavaScript/Java programs.

**SQL:** Skilled in writing and executing SQL queries to validate data consistency between front-end applications and back-end databases.

**Git & GitHub:** Working knowledge of version control activities including repository management, clone, commit, push, pull, and basic branching.

**Jenkins:** Exposure to CI/CD processes such as triggering automated jobs for build and test execution.

### PROJECTS

Workforce360 (HRMS), Duration:32months

**Project Overview:** Workforce360 is a comprehensive Human Resource Management System designed to manage employee onboarding, attendance, leave management, payroll processing, and performance evaluation. The system helps organizations streamline HR operations, improve data accuracy, and enhance overall workforce efficiency.

**Roles and Responsibilities:**

- Developed and maintained end-to-end automated test scripts using Playwright with JavaScript for HRMS modules.
- Automated key workflows including login, employee onboarding, leave management, attendance, and payroll validation.
- Designed and implemented a Playwright automation framework using Page Object Model(POM) for better reusability and maintainability.
- Configured playwright.config.js for parallel execution and cross-browser testing (Chromium, Firefox, WebKit).
- Implemented robust assertions using Playwright's expect API to ensure accurate validation of UI and business rules.
- Managed testdata using JSON files to support data-driven testing.
- Utilized Playwright Test Runner with fixtures and hooks (beforeAll, beforeEach, afterEach, afterAll) for efficient execution.
- Generated HTML test execution reports using Playwright's built-in reporter.
- Logged and tracked defects in Jira and collaborated with developers to ensure timely resolution.

Atlantic Wellness (Health Care), Duration:28months

**Project Overview:** Atlantic Wellness is a corporate wellness program focused on improving employee health and engagement. The application supports wellness activities, health tracking, nutrition and fitness tracking, helping organizations promote a healthier and more productive workforce.

**Roles and Responsibilities:**

- Analyzed healthcare requirements and designed functional, regression, and integration test cases.
- Performed end-to-end testing across patient records, visits, vitals capture, and appointment scheduling modules.
- Executed UI/UX testing to validate alignment, labels, navigation flow, responsiveness, and usability.
- Logged and tracked defects related to UI issues, dataflow errors, validation failures, and scheduling inconsistencies.
- Conducted regression testing and retesting after fixes, ensuring system stability across releases.
- Collaborated closely with developers and product teams for defect triaging and requirement clarifications.
- Maintained clear test documentation and test execution reports.
- Contributed to continuous QA process improvements.

## TECHNICAL SKILLS

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### Automation-Playwright with JavaScript

- Hands-on experience in automating web applications using Playwright with JavaScript across Chromium, Firefox, and WebKit (Safari).
- Skilled in UI interactions with buttons, input fields, checkboxes, radio buttons, dropdowns, frames, alerts, and dialogs, including keyboard and mouse actions (click, double-click, hover, scroll, key press, navigation).
- Strong understanding of Playwright locators including getByMethods, XPath, and CSS selectors for robust element identification.
- Experienced in managing multiple browser contexts and pages for multi-user or parallel test scenarios.
- Proficient with Playwright Hooks (beforeEach, afterEach) and fixtures to maintain consistent test setup, teardown, and shared test data
- Strong command over Page Object Model (POM) design, with constructor-based class access for reusable and maintainable automation frameworks.
- Skilled in Playwright assertions to validate UI elements, page states, and application behavior.
- Practical experience with Playwright annotations (skip, only, fixme, slow) for controlled test execution.
- Hands-on experience in Playwright configuration and reporting, including browser setup, retries, timeouts, detailed execution reports, screenshots, and logs.
- Ability to analyze automation failures, identify root causes, and report defects effectively, ensuring reliable test execution

### Java

Strong understanding of Java fundamentals: variables, data types, operators, control statements, loops, and conditional logic.

- Solid knowledge of OOP concepts: classes, objects, encapsulation, inheritance, polymorphism (overloading & overriding), and abstraction.
- Experienced with methods, parameters, return types, and constructors for object initialization.
- Familiar with arrays, strings, and commonly used built-in methods for data manipulation.
- Basic knowledge of exception handling using try, catch, finally, and throw.

### SQL

- Proficient in basic database testing and validating data integrity.
- Skilled in writing simple SQL queries for data verification and supporting test scenarios.
- Understanding of tables, joins, constraints, and data relationships.
- Experience in verifying data consistency between front-end applications and back-end databases.

### JavaScript

- Strong understanding of variable declarations (var, let, const), data types, and execution context, including hoisting for variables and functions.
- Proficient in logical programming using conditions, loops, and data structures to solve real-work problems.
- Hands-on experience with functions: standard, arrow, function expressions, and IIFE, including call apply, and bind for context control.
- Practical knowledge of ES6+ features: template literals, default parameters, classes, objects, and closures.
- Solid understanding of OOP concepts: classes, objects encapsulation, abstraction, inheritance, and method overriding.
- Experience working with built-in methods for Arrays, Strings, Math, and Date.
- Knowledge of asynchronous JavaScript, using Promises and async/await for clean, sequential asynchronous code.

### API Testing

- Understanding of RESTful APIs and their role in front-end/back-end communication.
- Strong knowledge in sending HTTP requests (GET, POST, PUT, DELETE) using Postman and validating status codes, headers, and response body.
- Familiar with Postman snippets and response time checks for efficient test execution.
- Knowledge in manual API validation, ensuring accurate data flow and identifying functional defects or mismatches.

### Manual Testing

Strong understanding of SDLC/STLC concepts, including Agile and Waterfall, with practical exposure from requirement analysis to test closure.

- Experienced in Functional, Integration, System, and Smoke Testing to validate end-to-end business flows and ensure build stability.
- Proficient in Ad-hoc Testing, uncovering edge-case and usability defects without predefined test cases.
- In-depth knowledge of the Defect Life Cycle, including logging, tracking, prioritization, verification, and closure.
- Skilled in designing, executing, and optimizing Test Scenarios and Test Cases to improve coverage and overall quality.
- Contributed to Test Planning, including scope, timelines, risks, and test strategy, ensuring smooth test execution.

## DECLARATION

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I affirm that the information provided in this document is true and accurate to the best of my knowledge.

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**Snehashree B N**