



Nitinkumar N

SENIOR TEST ENGINEER

Details

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Skills

Java
C# .NET
Selenium
Playwright
Cypress
Puppeteer

Playwright MCP Server
GitHub Actions
TeamCity
AWS
SpecFlow
TypeScript
Oracle DB
Observe
OOPS
Web API
Bruno
Visual studio
Rest Sharp
Blazemeter
Entity Framework, MVC Framework
TestNG
Maven
Test planning and estimations
JavaScript

Profile

With over 9+ years of experience, I am a meticulous and detail-oriented Test Engineer specializing in automation testing using Selenium and Playwright. I possess a strong understanding of OOP principles and am proficient in developing frameworks from scratch using design principles and enhancing frameworks to standardize processes. I have expertise in Git operations and GitHub and in creating pipelines for CI/CD integrated with GitHub Actions. I manage daily script execution and results collection, promptly addressing and resolving build issues.

Tools & Technologies

Programming Languages: Typescript, C#.NET, Java, JavaScript,

Automation Tools: Selenium, Playwright, Cypress, Postman

Automation Frameworks: POM, Spec Flow, Hybrid Framework, Cucumber BDD , Rest Assured

Unit-testing frameworks: NUnit, TestNG, Junit

Databases: Oracle, SQL Server

Cloud & Devops: AWS, TeamCity, Jenkins, GitHub Actions

API Tools & Framework: Postman, Blaze Meter, Rest Sharp, Bruno, Playwright API Testing

AI Tools: AI-driven and GenAI-based testing solutions, Playwright MCP server

Employment History

Senior Quality Consultant at Optum Global Solutions

24 DEC 2025 – PRESENT

- Working in End to end team in Optum Financial project
- Designed and executed comprehensive **Test Plans, Test Cases, and Test Scripts** to validate software functionality, performance, and security requirements.
- Collaborated closely with developers to identify, reproduce, and document defects, providing detailed analysis and feedback to ensure timely and effective resolution.
- Implemented and maintained **automated testing frameworks within the .NET environment**, improving testing efficiency, coverage, and accuracy.
- Performed **Regression Testing and Performance Testing** to ensure stability and reliability of existing features after enhancements or production fixes

Test Engineer at Common Wealth Bank of Australia,

11 APRIL 2022 — 19 DEC 2025

- Worked as a Test Engineer at Commonwealth Bank of Australia, focusing on the testing of the CommBiz online banking platform.
- Responsibilities included preparing Test Scripts using **Playwright** with **TypeScript** following **BDD Cucumber framework**.
- Used **Selenium Java Hybrid framework** as well for our CommBiz 1.0 activities.

Nunit
GitHub CoPilot
Cline
Roo Code
Claude
Machine Learning Basics
LLMs
Prompt Engineering
Rest Assured
WebServices
MicroServices
Restful API
CI/CD
SQL
Docker
Kubernetes
Jira
API Testing
Banking
Supply Chain Management
E-commerce
Insurance
Payments
HealthCare

Certifications:

ISTQB Foundational

AWS Certified Developer
Associate

Software Testing Training | Tata
Consultancy Services| '16

- Developed and executed automated test scripts for a project module using **Cypress** with **TypeScript**.
- Design, develop and maintain automated **API test scripts** using **Playwright**. Leverage **Postman** for manual API testing, Collection creation and automation using Postman scripts. Also have experience in **microservices testing** and **contract testing** approaches.
- Conducted Performance Testing using **JMeter**, **Blaze meter** for performance optimization.
- Utilized **GenAI** tools such as **Copilot**, **Claude**, and **Roocode** to speed up framework enhancements and automated script creation, while employing **Playwright MCP Server** for AI-driven test generation and **self-healing capabilities**.
- Apply **OOPS Principle** and **Collections** concepts in development of automation framework.
- Leveraged **LLMs** for analysing logs and identify potential **defects**.
- Designed and enhanced mobile test automation frameworks using **Appium**, Java, and Cucumber for both **Android** and **iOS** platforms.
- Expertise in Test complex **backend workflows**, including data integrity and system integration points.
- Conducted **performance testing** using tools such as **JMeter** and **BlazeMeter** to simulate high-load scenarios and measure system response under stress.
- Validated **AI responses** for accuracy, relevance, fairness, and compliance with expected business logic.
- Contributed to **Agile methodology** across the entire sprint life cycle, from planning to retrospectives, ensuring collaboration and continuous improvement.
- Prepared **Test Plans**, **Test Strategies**, **Test scenarios** and **Test Cases** and maintaining **Requirement Traceability Matrix (RTM)**.
- Worked on **C# Selenium** for one of the project using **POM framework**.
- Familiarity with **observability** and monitoring stacks used in cloud environments.
- Excellent communication skills, **team leadership experience** (mentored 4+ QA engineers), and a proactive approach to risk-based testing and quality delivery.
- Extensive experience across **banking modules**, including **payments**, business banking, **authentication** workflows, batch processing, payment **file uploads**, and **inbound/outbound transactions**—supported by strong product knowledge and **end-to-end testing** across Web, Android, and iOS.
- Specialized in **fraud-scam detection** scenarios with strong expertise in identifying risk patterns and **automating validation flows** to enhance **security** and reduce **operational vulnerabilities**.

Senior QA Engineer at Health and Glow Private Limited, Bengaluru

01 FEBRUARY 2021 — 23 MARCH 2022

- Played a key role to implement & develop automated test frameworks for web applications by using **Java and Selenium**, mobile website, Android and IOS applications with **Appium**.

- Tested & assessed product features, **reported issues** & various iterations in the software development life cycle.
- Create a BDD framework by using **Cucumber** and enhancing it on regular basis.
- Validate data integrity and accuracy using **oracle SQL** queries.
- Validate functionality, performance and security of **RESTful** web services using **REST assure**.
- Create, execute and automate API Tests using **Postman** .
- Tested & assessed product features, reported issues & various iterations in the software development lifecycle
- **Planned & strategized test schedules** in accordance with project scope and delivery deadlines
- **Identified, analysed & reported application defects** and rendered assistance with resolution via **JIRA** to ensure complete & thorough understanding of all requirements.

**Software Test Engineer at Test Yantra Software Solutions,
Bengaluru**

03 SEPTEMBER 2019 — 12 JANUARY 2021

- Played a key role as testing engineer to implement & develop automated test scripts for web application **infor SCM** Website (Enterprise ERP tool) using **Selenium Java** .
- Scripted detailed Test Scenarios via advanced test automation frameworks using **Hybrid Framework**.
- Manage code repositories and automate version control using **GitHub**
- Defect management process by logging defects into **Jira tool**.
- Monitoring log error testing by using **Splunk**, performing database testing in **Microsoft SQL server** and Performing **Security Testing** using JMeter.
- Configure **Jenkins** pipelines for **CI/CD** to automate build, test and deployment processes.

**Assistant System Engineer at Tata Consultancy Services,
Chennai**

26 SEPTEMBER 2016 — 11 APRIL 2018

- Played a key role in **manual, compatibility, performance and security testing** for web application
- Deployed expertise in **test planning , test case design, execution** in addition to **Agile** methodologies.
- Reviewed product specifications & executed testing for product security & product performance.
- Rendered **assistance** to conduct design/code inspections & performed manual testing.
- Understanding requirements, writing Test scenarios and Test Cases for the epic using the **JIRA Zephyr** tool.
- **Database testing, Regression Testing, performance testing, security testing and I18N Testing** also done.

Education : Jun 2012- Jun 2016

Accomplishments

- Achieved Runner-up position in the **CBA 2023 Hackathon** and **BizExpo**.
- Honoured with the **Everest Award** at CBA for delivering high-quality automation solutions, improving test efficiency, and contributing significantly to overall product stability.
- Attended major tech events such as **AWS Summit 2025**, **DevSpark 2025**, **Gemma Workshop**, and **GenAI Exchange Bootcamp** to gain deep insights into **AI technologies**, real-world implementation strategies, and practical usage across enterprise systems.
- Awarded the **Spot Award** at **Infor Enterprise** for exceptional defect identification and contribution to improving sprint quality through high-impact bug detection.