Contact

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Education

2022 - 2024

Birla Institute of Technology and Science, Pilani, India
Master of Technology (M. Tech)
Specialization - Computer Science
Key Subjects:
- Project Management
- Agile
- Artificial Intelligence (AI)
- Machine Learning (ML)
- Software Quality Management

2006 - 2010

JUIT, Solan, India
Bachelor of Technology

Soft Skills

Leadership & Management
- Team Leadership
- Agile/Scrum Expertise
- Strong Communication
- Training & Development
- Decision Making
- Cross Functional Collaboration

Strategic & Analytical Thinking
- Risk-Based Testing Strategy
- Root Cause Analysis
- Tool Selection & Evaluation Plan
- Test Management & Optimization
- Result Driven & Troubleshooting

Language

English

Hindi

HEMENDRA **VISHNOI**

Senior Automation Engineer

Professional Summary

Experienced and results-driven SDET with 15+ years in test automation and software quality engineering. Skilled in designing scalable automation frameworks and improving QA processes using industry-standard tools. Proven success in enhancing test efficiency, software quality, and delivery speed across financial and enterprise platforms. Strong leadership in cross-functional teams, aligning testing strategies with business goals in Agile, high-impact environments. Expert in multitasking, front-end testing, back-end testing, manual testing, microservices architecture testing, quality assurance life cycle.

Current Experience

Senior Automation Engineer   Feb 2023 - Present
GAC Group Holdings HQ (UAE)

Managing manual and automated testing strategies to ensure high-quality, timely releases across web and API platforms for a financial product being used in 140 countries.

Key Responsibilities:
- Led the end-to-end QA strategy, including test planning, manual execution, and automation coverage across multiple delivery streams.
- Designed and developed scalable test automation frameworks using industry-standard tools and methodologies, driving over 70% automation coverage.
- Mentored and trained QA engineers on best practices, tooling, and test design in Agile Scrum environments.

Tools & Technologies:
- Automation Framework: SpecFlow (BDD), XUnit, .NET
- Reporting Framework - LivingDoc
- UI and API Automation: Selenium, Appium and RestSharp
- Performance Testing: Apache JMeter
- Test Management: Xray, JIRA, Azure Test Plans and Test Cases

Past Experiences

Assistent Vice President   Jul 2020 - Dec 2022
JP Morgan Chase & Co. - India

Led the design and implementation of a robust test automation ecosystem for the Collateral Central platform, a core system responsible for the management and movement of high-value client financial assets.

Key Responsibilities:
- Designed and architected advanced automation framework to validate complex financial workflows involving asset movements and multi-currency exchanges.
- Led a team of SDETs, overseeing development, code reviews, sprint deliverables, and enforcing best practices across automation and documentation efforts.
- Implemented Testing Pyramid covering UI, Integration, API, performance, and DB validation, ensuring end-to-end quality and system integrity.

Tools & Technologies:
- Automation Framework: Cucumber (BDD), NUnit, Java
- UI & API Automation: Selenium (Java), Rest Assured, Mockito
- CI/CD & Build Tools: Maven, Jenkins
- Performance Testing & Monitoring: JMeter
- Test Management: JIRA

Technical Skills

Programming Languages

- C# (.NET), Java
- TypeScript, JavaScript, JQuery
- HTML, CSS
- SQL, NoSQL, Cassandra

Automation Frameworks & Tools

- Cucumber, SpecFlow
- XUnit, JUnit, NUnit, TestNG
- Selenium, Playwright, Appium
- Protractor, Jasmine

API Automation Tools

- RestAssured, RestSharp
- SOAP UI, Groovy Script

CI/CD

- Jenkins, Jules
- Azure DevOps
- Docker, Kubernetes
- GIT, Bitbucket, GitHub, SVN

Cloud Technologies

- AWS (EC2, Lambda, S3)
- Azure (App Services, Functions)

Project Management

- Agile. Scrum, Kanban
- JIRA, Azure DevOps

Test Management

- TestRail, XRay, Azure DevOps
- HP-QC

Performance Testing

- JMeter, LoadRunner

Achievements

- Star award at Infosys org. level
- Kudos award direct from client at Infosys
- Runner up Hackathon at Infosys organisation level
- Extra Miler award at Leadventure
- Spot award at JP Morgan & Chase Co.
- Global Hackathon winner

Lead SDET
Leadventrue - India
Feb 2018 - Jul 2020

Led automation efforts for the DOMINO platform, driving efficiency, scalability, and quality across UI and backend testing layers.

Key Responsibilities & Achievements:
- Increased test coverage and improved ROI by 45%.
- Reduced deployment time by 20% and accelerated release cycles by integrating automated tests into CI/CD pipelines.
- Reduced production defects by 25% by implementing real-time test case tracking using TestRail.
- Contributed to Docker and Kubernetes adoption, enabling parallel test execution and reducing run times by 60%.
- Mentored QA engineers through code reviews and knowledge sharing, maintaining high automation standards.

Senior SDET
Virtusa (NatWest Group) - India
Feb 2018 - Jul 2020

Led test automation for MIVAL, a core platform ensuring accurate independent financial valuations.

Key Responsibilities & Achievements:
- Developed UI automation framework using Protractor (Selenium wrapper), Jasmine, and Cucumber (JavaScript) to validate complex financial flows.
- Reduced external service costs by 20% by designing and implementing API test automation solutions for MDX services using SOAP UI and Groovy, including advanced mocking strategies to minimize third-party dependencies.
- Increased test coverage by 15% by automating high-risk functional areas to ensure comprehensive validation and reduce defect leakage.
- Reduced repetitive bugs by 40% by implementing effective and structured test reporting.

Senior RPA Developer
Infosys - India
Feb 2013 - Sep 2015

End-to-End Automation of Invoice Processing System for John Wiley.

Key Responsibilities & Achievements:
- Designed and developed end-to-end RPA solutions for invoice processing using Automation Anywhere, Selenium with .NET, and Apache PDFBox, streamlining workflows and eliminating manual effort.
- Achieved a 150% increase in invoice processing capacity by implementing automation from scratch, significantly reducing manual effort with no additional resources.
- Improved client response time by 35% by building an automated email notification system, enhancing overall communication efficiency.

Software Developer
Infosys - India
Jun 2010 - Feb 2013

Key Responsibilities & Achievements:
- 30% faster delivery by leading cross-functional teams of developers and testers, applying best practices and Agile methodologies.
- 20% increase in efficiency through seamless coordination with onshore stakeholders and serving as the primary client liaison.
- Developed web applications using ASP.NET, JavaScript, HTML, CSS, and SQL Server to meet client needs.