

Deepak Shanmugasundaram

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Experience Summary

With over 8.7 years of professional IT experience in Software Testing and Quality Assurance, I have developed a robust skill set in automation frameworks, DevSecOps, and test strategy design. Key highlights include:

Automation Frameworks:

- Developed automation frameworks using Maven TestNG (Java), Cucumber JUnit (Kotlin), and SpecFlow NUnit (C#).
- Created multiple libraries to support test automation needs.

DevOps and Quality Engineering:

- Proficient in integrating DevOps practices into Quality Engineering and Testing.
- Skilled in creating APIs using the Spring Boot framework.

Automated Testing:

- Designed automated test cases for web applications using Selenium.
- Expertise in REST API automation using Rest Assured and RestSharp.
- Proficient in designing automated test cases using QTP and UFT.

Methodologies and Tools:

- Strong understanding of shift left testing and testing modernization.
- Strong understanding of Agile methodologies.
- Performed NFT testing through artillery/Gatling.
- Basic knowledge of security testing with Burp Suite.
- Experience in mainframe testing and automation.
- Created Mock through Blazemeter.
- Developed scripts in UFT integrated with ALM.

GenAI and Cloud:

- Create tool to automate STLC using GenAI.
- Sound knowledge in AWS.

Test Strategy and Solutioning :

- Designed comprehensive test strategies and plans for various projects.
- Designed and implemented diverse solutions for test automation, optimizing testing processes

Domain Knowledge:

- Sound domain knowledge in Real time Payments for Australia, BFS, and ITSM.

Technical Skills

- Programming language: Java, Kotlin, C#
- CI/CD: GitHub Actions, TeamCity, Jenkins
- Frameworks: TestNG, Cucumber, Specflow, Springboot, Artillery
- Cloud: AWS
- Version Control: GitHub
- Tools: Postman, Docker Desktop, QTP, UFT, WinAPP Driver

Professional Experience

Commonwealth Bank of Australia

2022– Present

Senior Quality Engineer

- Lead automation initiatives across 10 teams, serving as Automation Specialist to drive strategy, implementation and best practices
- Leading testing modernization and maintained DevSecOps maturity across 10 teams
- Responsible for maintaining code quality and review.
- Created and maintained automation frameworks and libraries.
- Designed and developed test data generator API and it's integration
- Built UI and APIs to centralize testing information in a dashboard.
- Trained development teams to actively participate in testing activities.
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- Contributed as a member of the Payment as a Service team for x15 companies in Australia.

Deloitte USI

2020 – 2022

Consultant

- Playing team lead role and responsible for effort estimation and team handling.
- Responsible for modernizing multiple domain apps and migrate it from On-premises to Cloud.
- Responsible for getting Business Requirements from client and explain team on functionality.
- Responsible for recruiting new resources into the team
- Responsible for training new recruits on functional and technical aspects.
- Responsible for creating automation scripts using Selenium + Java in Maven TestNG.
- Responsible for maintaining regression suite
- Responsible for integrating automation suite into CI/CD pipeline.
- Responsible for performing security testing and finding vulnerabilities.

Cognizant Technology Solutions

2018 – 2020

Associate

- Development of automation scripts with Selenium + C# with BDD as framework
- Responsible for implementing agile methodologies.
- Responsible for creation of Automation suite for Regression.
- Responsible for on-boarding new resource and train them in automation
- Responsible for handling a team towards closure of sprint

Tata Consultancy Services

2016 – 2018

Systems Engineer

- Responsibilities include Developing QTP test script to automate the UI and functionalities for web applications as well as standalone applications.
- Maintaining the existing QTP automation test suite.
- Worked in developing scripts in UFT in integration with ALM. Scripts developed in QTP or UFT are triggered from ALM
- Worked in developing automation scripts in selenium using TestNG as framework.
- Analysis of the Requirement documents & other client supplied documents.
- Working closely with developers and clients while preparing and execution of test scripts.
- Work with the Testing team to assist with the preparation of test plans and test data characteristics.