SHIVAM SHARMA

SENIOR SOFTWARE TEST ENGINEER

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PROFESSIONAL SUMMARY

Results-driven Senior Software Test Engineer with 6+ years of expertise in test automation, mobile robotics, and quality assurance. Currently leading test automation initiatives at Oceaneering Mobile Robotics for AGV (Automatic Guided Vehicles) systems. Proven track record of reducing testing cycles by 50%, achieving 95% automation coverage, and implementing cutting-edge CI/CD pipelines. Expert in Selenium, Java, Python, Robot Framework, and Kubernetes-based microservices testing. Strong background in MQTT/Kafka messaging systems, API testing, and DevOps practices.

KEY ACHIEVEMENTS

- **50% Faster Testing:** Reduced regression testing cycle from 8 hours to 4 hours through parallel execution strategies

- **95% Automation Coverage:** Increased test automation coverage from 60% to 95%, creating 600+ automated test cases

- **35% Defect Reduction:** Deployed MQTT/Kafka monitoring systems reducing production defect leakage by 35%

- **73% Time Savings:** Cut nightly build time from 45 minutes to 12 minutes via CI/CD optimization

- **Leadership:** Currently mentoring 3 junior test engineers in advanced automation frameworks

PROFESSIONAL EXPERIENCE

Oceaneering Mobile Robotics   Jan 2025 - Present

Senior Software Test Engineer | Chandigarh, India

- Leading automation strategy covering 95% of robotics fleet testing scenarios for AGV systems
- Implementing cutting-edge CI/CD pipelines reducing deployment time by 40%
- Architecting microservices testing framework for Kubernetes-based AGV control systems
- Mentoring 3 junior test engineers in Robot Framework, Python BDD, and advanced automation practices
- Establishing quality gates and best practices for mobile robotics software testing

Oceaneering Mobile Robotics   Aug 2022 - Dec 2024

Software Test Engineer | Chandigarh, India

- Reduced regression testing cycle from 8 hours to 4 hours (50% faster) via parallel execution frameworks
- Increased test automation coverage from 60% to 95%, creating 600+ automated test cases
- Deployed MQTT/Kafka monitoring reducing defect leakage by 35% in production environments
- Cut nightly test build time from 45 mins to 12 mins through CI/CD optimization
- Developed custom Robot Framework libraries for AGV-specific test scenarios and IoT device testing
- Implemented API testing strategies using Postman, REST Assured, and GraphQL

Cognizant Technology Solutions   Jul 2021 - Aug 2022

Test Analyst | India

- Executed comprehensive test scenarios and test cases for enterprise applications
- Performed functional, smoke, and regression testing across multiple projects
- Collaborated with cross-functional teams including developers, business analysts, and project managers
- Maintained quality standards and ensured timely delivery of projects

Cognizant Technology Solutions   Aug 2020 - Jul 2021

Test Analyst Trainee | India

- Completed intensive training in test automation frameworks including Selenium WebDriver and Java
- Gained hands-on experience with TestNG, Maven, BDD (Cucumber), and Page Object Model design patterns
- Developed foundation in testing best practices, SDLC, and STLC methodologies
- Contributed to real-world testing projects and automation framework development

Cognizant Technology Solutions   Jan 2020 - Aug 2020

Intern | India

- Started professional journey in software testing and quality assurance
- Learned fundamentals of QA processes, test case creation, and execution
- Assisted in test case creation, execution, and defect tracking
- Gained exposure to enterprise testing environments and Agile methodologies

TECHNICAL SKILLS

Test Automation

Selenium WebDriver, Java, TestNG, Maven, Cucumber, BDD, POM, Protractor, Appium, Robot Framework

Programming & Scripting

Java, Python, Python BDD Behave, JavaScript, TypeScript, Groovy, Shell Scripting

DevOps & CI/CD

Jenkins, GitHub, GitLab, Git, Docker, Kubernetes, CI/CD Pipelines

Database & Messaging

MSSQL, MySQL, PostgreSQL, MongoDB, MQTT, Kafka, RabbitMQ, Redis

Cloud & Monitoring

AWS, Azure Cloud, Grafana, Prometheus, ELK Stack, Splunk

Testing Methodologies

Functional, Smoke, Regression, Integration, API, Performance, Manual Testing, SDLC, STLC

Project Management

Azure DevOps, Jira, Confluence, Agile, Scrum, Kanban, TestRail

Specialized Skills

Mobile Robotics, AGV Testing, IoT Testing, REST API, GraphQL, Microservices, Postman, SoapUI

EDUCATION

Bachelor of Engineering (B.E.) - Computer Science

Chandigarh University

2016 - 2020

Senior Secondary Education

Shishu Niketan Public School

2014 - 2016

CERTIFICATIONS

✓ Selenium + JAVA Certified Professional