

PRAFULL CHAUVHAN

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QUALITY MANAGEMENT: AUTOMATION ENGINEER WITH DEVOPS EXPERTISE

Driven by a passion for impactful work, contributions have been made to global initiatives in healthcare, education, and energy conservation resulting in significant reductions in carbon emissions. As a skilled automation engineer with a total of 14+ years of IT experience, expertise is focused on quality management and DevOps practices. Proficient in designing and implementing automated testing frameworks to enhance software quality. Led comprehensive testing strategies, covering functional, performance, and scalability aspects. Expertise in integrating testing into CI/CD pipelines for rapid deployment. Hands-on experience with AWS and Azure for optimized testing environments. Dedicated to driving efficiency and reliability through automation and collaboration. Committed to delivering high-quality solutions in dynamic software development environments.

PROFILE SUMMARY

- Working knowledge of automation testing using Java, Cypress, Appium, TestNG, Rest Assured, FitNesse, Playwright, Cucumber, JMeter and Locust tools.
- Lead automation teams and implementing CI/CD pipelines using Jenkins for efficient software delivery
- Expertise in designing, implementing, and maintaining automated testing frameworks and solutions using industry-leading tools and technologies such as Selenium, Webdriver, Rest Assured, Appium to streamline testing processes and improve efficiency.
- Proficient in developing comprehensive test strategies and architectures tailored to project requirements, encompassing test planning, test case design, execution, and reporting, to ensure thorough test coverage and reliable software quality assurance.
- Experienced in leading quality management initiatives, establishing quality standards, processes, and metrics, and driving continuous improvement efforts to enhance product quality, reliability, and customer satisfaction across the software development lifecycle.
- Designed and developed an enterprise-level generic automation solution/tool for testing web and mobile applications.
- Assisted the Total Quality Manager with the mentoring and overall development of the quality assurance department.
- Rich experience in testing Frameworks, Client Servers, SOA applications, Microservices, and Mobile applications.
- Possesses working knowledge of enterprise-grade search engines like Apache Solr, Elasticsearch & RabbitMQ, MQTT
- Proficient in SQL Server, and Oracle, and has fair exposure to Postgres, Couchbase DB, MongoDB, and Redis databases.
- Strong background in Unit Test code writing, System Integration testing, Black box & White box testing, API testing, Web Service testing, Mobile testing, Database testing, and PSR testing using Blazemeter.
- Analysed system requirement specifications, coded the routines, and developed test plans, and test cases to cover overall quality assurance testing including i18n testing, Security testing, and code coverage analysis.
- Involved in analysis, design, development, and testing of multi-tier client-server windows and web-based applications, with strong networking and protocol knowledge.
- Experienced in organizing and managing QA processes such as Formal and Risk Reviews, Bug bash, and Quality Profile.
- Organized weekly calls with the clients, weekly status meetings with the team, and coordinated testing between onsite and offshore resources, and presented client demos.
- Led Delivery Assurance as DA NINJA auditor and served as Scrum Master for multiple projects.
- Familiar with CMMI Level 5 processes, and experienced in projects using SDLC, SCRUM, and Kanban methodologies.
- Worked as a Scrum Master and Delivery Assurance leader for multiple projects. Lead automation teams and implementing CI/CD pipelines for efficient software delivery.
- Domain Knowledge: Cloud Security, Healthcare, Education, Media and Entertainment, Legal and technology and Telecommunications.
- Have worked on management information browsers and agent simulator systems.
- Possess strong ability to quickly adapt to new applications, platforms, and languages.

CORE COMPETENCE

- Enterprise-level Automation Solution Development
- Delivery Assurance and Scrum Mastery
- Team Leadership and Development
- Performance, Reliability, and Scalability Testing
- Knowledge of Enterprise-grade Technologies
- Quality Assurance and Process Management
- Process Adherence and Methodology Familiarity
- Emerging Technologies
- Cloud platforms and technologies
- Cloud Testing Strategy

TECHNICAL SKILLS

- **Cloud & Operating Systems:** AWS, Azure, Windows, Linux, CentOS, Ubuntu, MAC-OS (VMware Workstation)
- **Languages:** JAVA, MS C# .Net, C, Groovy, SNMP Framework
- **Frameworks/Technologies:** Cypress, Selenium, TestNG, Appium, Spock, Robot, WebDriverIO, Protractor, Junit, Spring
- **Databases:** SQL Server 2008, Couchbase, Postgresql 9+, Mongo DB, REDIS, ElasticSearch, Oracle 9i, MySQL, MS Access
- **Middleware Apps. & DI:** RabbitMQ, AMQP, MQTT, SOLR Search/Lucene, Kettle, Talend, MDR, MDM
- **IDEs:** Eclipse, IntelliJ IDEA, VS Code, PyCharm, Android Studio, X-Code
- **Web Containers:** Docker, Kubernetes, Rancher, Apache Tomcat, JBoss, Jetty, WebSphere
- **Automation Tools:** WebDriver, Fitnesse, JMeter, Playwright, SOAP UI, MonkeyTalk, Saturn, Postman, PerfMon, Gherkin
- **Bug-tracking & Other Tools:** Etrack, Jira, Bugzilla, @Task, Jama, Accept 360, TT-Pro, VSTS, TFS, TestLink, Right Now, Zephyr, Kibana, New Relic, WinSCP, Putty, Wiremock
- **CI-CD Tools:** Go CD, Jenkins, Terraform, Octopus Deploy, Maven, Gradle, Ansible, Puppet, Git, Bitbucket, Perforce, CVS
- **Code analysis Tools:** Cobertura, EMMA, JProfiler, YourKit, Code Collaborator, SonarQube, PMD Checkstyle
- **Web Designing Tools:** SPA- AngularJS, BackboneJS, Javascript, XML, HTML, reactJS, Nodejs
- **Packages:** Photoshop, Flash Action Script, PageMaker, Ms Office

WORK EXPERIENCE

QiO Technologies Pvt. Ltd., Pune, India

Senior QA Developer

Jun 2021 – April 2024

Accountabilities:

- Lead the design and implementation of comprehensive test strategies, plans, and processes to ensure the quality and reliability of software products.
- Collaborate closely with cross-functional teams, including software developers, product managers, and business analysts, to identify testing requirements and define acceptance criteria.
- Create Automation framework (UI+API Testing) from scratch for application including Automated Performance Testing Framework for Load and stress-testing using Jmeter.
- Render technical leadership to the team for automation and Quality. Function as a creator of QiO automation framework & scripts using Node JS, Cypress, Cucumber and Chai to test Web applications, Webservices and RESTful APIs
- Perform thorough functional, regression, and performance testing on web-based applications, APIs, and databases to identify defects and validate system functionality.
- Conduct code reviews and provide technical guidance and mentorship to junior QA team members, fostering a culture of continuous learning and improvement.
- Generate comprehensive test documentation, including test cases, test scripts, and test reports, to track testing progress and communicate findings to stakeholders.

Hitachi - Globallogic India Pvt Ltd, Nagpur, India

Senior Lead Quality Assurance

Aug 2016 – Jun 2021

Accountabilities:

- Collaborated with product owners and Business Analysts to define testing scope and strategies, ensuring alignment with project goals and objectives.
- Provided technical leadership to a team of six members, guiding them in automation and Quality Assurance practices to enhance product reliability and efficiency.
- Conducted in-depth analysis of Software Requirements Specifications (SRS), and Functional Specification Diagrams, and tracked requirements in JIRA to understand the complete application flow and system architecture.
- Designed and developed frameworks and integrated them into the build pipeline using Go-CD and Octopus, optimizing the testing process and ensuring seamless integration with development workflows.
- Demonstrated proficiency in developing Behaviour-Driven Development (BDD) scripts with the Spock framework, writing step definitions, and features in Gherkin for mobile testing on Android platforms.
- Executed Performance, Security, and Internationalization (PSR, I18N) testing procedures to validate the functionality, security, and global readiness of applications.
- Developed automation frameworks and scripts utilizing Node.js, Appium, Mocha, WebDriverIO, and Chai to test web, mobile applications using Appium, Web application using Cypress, Playwright, Protractor webservices using Postman, and RESTful APIs using Rest Assured, improving testing coverage and efficiency.
- Automated APIs and backend systems, including handling Swagger documentation.
- Created an Automated Performance Testing Framework for Load and Stress Testing, enabling the identification of performance bottlenecks and ensuring optimal system performance under varying loads using Blazemeter.
- Automated regression suites and Internationalization (I18N) test suites for 26 locale languages, ensuring consistent and reliable testing across diverse language settings.
- Led Delivery Assurance as a DA NINJA auditor and served as a Scrum Master for multiple projects, overseeing project delivery and facilitating Agile development processes.
- Implemented Acceptance Test Suites and Regression suites, ensuring the stability and reliability of software releases.

Broadcom - Symantec Cooperation, Pune, India

Java Automation Engineer

Oct 2012 – Aug 2016

Accountabilities:

- Led a 4-member Automation team for the EA&N module within the released SUEP Product, overseeing planning, execution, and delivery of automation initiatives.
- Collaborated with team members to discuss, develop, and implement testing approaches and strategies, ensuring alignment with project objectives and requirements.
- Contributed to Rest API testing using the SUEP Automation framework, as well as web service, mobile, and web application testing, while also conducting PSR, I18N, and security testing.
- Automated unit tests with Selenium and TestNG for thorough coverage and efficient processes.
- Integrated Java clients with the automation framework for seamless functionality.
- Enhanced code coverage, reduced SONAR issues, and optimized automation scripts for improved testing.
- Performed comprehensive code reviews using Code-Collaborator, offering feedback for code refinement.
- Led continuous improvement efforts and promoted Agile best practices for enhancing team performance.
- Assessed tools and led Mobile Automation Framework development for project-specific requirements.
- Instrumental in designing, developing, and integrating the project's ATP automation framework.
- Provided mentorship and guidance to QA team members in automation techniques and relevant technologies, fostering skill development and knowledge sharing within the team.

PREVIOUS ENGAGEMENTS

Cybage Software Pvt. Ltd., Gandhinagar & Pune, India

Quality Assurance Engineer

Mar 2010 – Oct 2012

EDUCATION

- **Diploma – Advance Computing**, ACTS Institute, Pune 2010
- **BE – Computer Science & Engineering**, G.H. Rasoni College of Engineering, Nagpur 2009

TRAINING AND CERTIFICATIONS

- Certified Kubernetes Security Specialist (CKS), 2023
- Certified Kubernetes Administrator (CKA), 2023
- Azure Data Fundamentals, 2022
- Microsoft Security, Compliance, and Identity Fundamentals, 2022
- Microsoft Azure AI Fundamentals, 2022
- Microsoft Azure Fundamentals, 2022
- AWS Certified Cloud Practitioner, 2021
- SUN Certified JAVA Programmer, 2009
- REDHAT Certified (Certificate no: 604007179713968), 2007
- Certificate Course in Computer Programming (MBOVE, Mumbai), 2004
- Advanced Threat Protection, Elastic Search, MDR, MDM, 2014
- Mobile Testing Tools– Appium, IOS Driver, iPhone Driver, 2014
- Code Static Analysis, i18N, L10N, Security Training, FitNesse, Node.js, Lucene, 2013
- Data Integration Tools (Pentaho: Kettle), Talend, Pixel Perfect, Puppet tool 2012
- Scrum and agile methodologies with emphasis on scrum project management, 2010
- Undergone 2 Months training in Maintenance: Responsible for handling website and admin panels of websites and training in PLC & Bellows' Cleaning Machine: Handling & automation of machine at Mahindra & Mahindra Ltd Nagpur

AWARDS & ACCOLADES

- MTS Cohesive Team Award - Got recognition for exemplary performance for the MTS-Merchant Transaction Service module for CVP-Connected Vehicle Program (Product Release-MTS) in time with quality against all odds.
- Symantec Level 2 Applause Award-Got recognition for certifying the Events module for SUEP product.
- Symantec Level 1 Applause Award - Evaluation of mobile test automation framework.
- Symantec Level 2 Applause Award for Innovation - Recognized effort and more importantly the end-product which enabled the CMF team to measure dynamic code coverage. The usage of different technologies to come up with a cohesive process to enable dynamic coverage
- Awarded the certificate after successful completion of the project under Persistent Systems Ltd. Nagpur

PERSONAL DETAILS

Nationality: Indian ~ **Date of Birth:** 13 Jan 1986 ~ **Languages Known:** English, Hindi, and Marathi

Passport Details: R1976785 valid till Sep 2027