

PRAFULL CHAUVHAN

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PROFILE SUMMARY

- 15+ years of IT experience, with expertise in QA automation, test architecture and DevOps practices.
- Spearheaded automation teams to achieve 90% automation coverage, integrating functional, non-functional, and PSR testing using Java, Selenium, Cypress, Playwright, Rest Assured, Cucumber, JavaScript, Appium, and JMeter, while implementing CI/CD pipelines, BDD, and TDD practices.
- Architected a multi-platform automation solution for web, mobile, and microservices testing, enhancing product quality and reducing QA costs by 68% while seamlessly integrating with continuous deployment pipelines.
- Expertise in unit test code, system integration, black-box and white-box testing, API and webservice testing, mobile testing, database testing, and PSR (Performance, Scalability, and Reliability) testing.
- Enhanced system performance with application-level search engines and databases.
- Orchestrated Delivery Assurance NINJA audits projects as Scrum Master, leveraging agile practices to improve timelines by 22%, team velocity by 18%, and project quality while enhancing performance by 85–90% using CMMI Level 5, Software Development Lifecycle, SCRUM, and Kanban methodologies.
- Domain expertise includes energy and power, cloud security, healthcare, education, media and entertainment, merchant services, telecommunications, legal, and technology.
- Directed end-to-end QA processes, including formal reviews, bug bashes, and client demos; streamlined testing coordination, resulting in a 45% reduction in post-release defects and 20% faster issue resolution.
- Excel at swiftly adapting to new applications, platforms, and languages.

CORE COMPETENCE

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| • Enterprise-level Automation Solution | • Quality Assurance and Process Management |
| • Delivery Assurance and Agile Scrum Mastery | • Performance, Reliability, and Scalability Test |
| • Team Leadership and Development | • Methodology and Process Adherence |
| • Expertise in Enterprise-grade Technologies | • Cloud Platforms and Testing Strategy. |

TECHNICAL SKILLS

- **Automation Tools:** Selenium, Cypress, Playwright, Appium, Rest Assured, JMeter, Postman, SOAP UI
- **Frameworks:** Robot, Cucumber, Pytest, TestNG, Protractor, Mocha, Fitnesse, MonkeyTalk, Saturn
- **Operating Systems and Cloud:** Linux, Ubuntu, VMware Workstation, AWS, Azure.
- **Languages:** Java, C++, JavaScript, HTML, XML
- **Databases:** SQL Server, PostgreSQL, MongoDB, Redis, Elasticsearch, Oracle 9i, MySQL, Couchbase
- **CI-CD Tools:** Jenkins, GO CD, Octopus Deploy
- **Infrastructure as Code (IaC):** Terraform, Puppet
- **Middleware Apps. and DI:** RabbitMQ, MQTT, SOLR Search/Lucene, Kettle, Talend, MDR, MDM
- **Web Containers:** Docker, Kubernetes, Rancher, Tomcat, JBoss, Jetty, WebSphere
- **Version Control Systems (VCS):** Git, Bitbucket, Perforce, CVS
- **Code analysis tools:** Cobertura, EMMA, JProfiler, Code-Collaborator, SonarQube, PMD Checkstyle.
- **Bug-tracking and Other Tools:** Jira, Zephyr, Kibana, New Relic, TestLink, WinSCP, Putty, Wiremock

WORK EXPERIENCE

Coforge (Encora Inc.), Pune, India

QA Technical Manager — Client: AVID Media & Entertainment

Sep 2024 – Present

- Lead automation architecture, quality-engineering strategy, and framework modernization for AVID Media & Entertainment platforms - designing scalable, cloud-native Pytest and Robot Framework ecosystems with reusable, modular suites across UI, API, integration, and platform testing.
- Defined automation strategy and implemented BDD-driven frameworks using Python, Robot Framework, and HTTP libraries, reducing manual QA efforts by 70% across Cloud UX modules.
- Established CI/CD quality gates using GitHub Actions and Jenkins, integrated TestRail and Allure reporting, and drove automation standardization across multiple product teams.
- Directed cross-functional automation teams and collaborated with DevOps to containerize test environments using Docker, Rancher, and Kubernetes for consistency across platforms.
- Own framework governance, release management, and onboarding; conduct code reviews and mentor junior engineers while collaborating with Product, Engineering, and DevOps teams to improve software quality and delivery efficiency.

QiO Technologies India Private Limited, Pune, India

Senior QA Developer

Jun 2021–Apr 2024

- Architected and deployed QiO automation frameworks using Cypress, Playwright, Cucumber, JavaScript, Node.js, and Chai, reducing testing cycle duration by 55% and improving the reliability of web applications, web services, and RESTful APIs, also having proficiency in developing BDD scripts.
- Conceptualized and executed robust testing protocols, improving software reliability by 50% and leading a team to automate 70% of manual test cases, saving 200+ hours monthly.
- Delivered thorough functional, regression, and performance testing on web-based applications, APIs, and databases like Postgres, MongoDB; detected and rectified 180+ defects, ensuring robust system functionality and improving user experience by 30%.
- Managed the orchestration and automation of multitudes of containerized applications using Kubernetes and Rancher, enhancing system robustness and elasticity.
- Led automation teams, implementing CI/CD pipelines with tools like Jenkins and GitHub Actions while focusing on automating testing processes to enhance software delivery efficiency.

Hitachi: GlobalLogic India Private Limited, Nagpur, India

Senior Lead Quality Assurance

Aug 2016–Jun 2021

- Implemented technical leadership to a team of six members, guiding in automation and quality assurance practices to enhance product reliability and efficiency.
- Built automation frameworks using Java, JavaScript, Python with Cypress, Playwright, Jest, and Protractor, accelerating test speed by 60% and halving test cycles, with strong BDD/TDD expertise.
- Created and optimized testing frameworks for mobile apps using Appium and WebdriverIO achieved a 70% increase in test coverage and saved 30 hours per week in manual testing efforts.
- Automated regression and I18N tests for 26 languages, cutting manual effort by 78% and ensuring consistent multi-language support.

Broadcom: Symantec Corporation, Pune, India

Java Automation Engineer

Oct 2012–Aug 2016

- As a SDET, led a 4-member automation team for the EA&N module within the released SUEP product, overseeing the planning, execution, and delivery of automation initiatives.
- Pioneered REST API testing with SUEP Automation framework while overseeing web service, mobile, and web app testing; led PSR, I18N, and security testing initiatives, decreasing vulnerability issues by 40% within three months.
- Streamlined the testing process by automating 100+ unit tests with Java, Testng, and UI with Selenium; reduced manual testing time by 60%; and improved code coverage to 95%.
- Led automation teams for 90% coverage while implementing CI/CD, BDD, and TDD.
- Revamped testing processes by increasing code coverage to 93%, minimizing SONAR issues by 68%, and refining automation scripts, resulting in low post-deployment defects.

Cybage Software Private Limited, Gandhinagar and Pune, India

Quality Assurance Engineer

Mar 2010–Oct 2012

- Innovated and co-developed an advanced automation framework, leading Selenium-based regression and REST API testing; saved 120+ hours monthly and elevated application stability by 30%.

EDUCATION

- **Diploma: Advanced Computing**, ACTS Institute, Pune. Feb 2010
- **BE: Computer Science & Engineering**, G. H. Rasoni College of Engineering, Nagpur. May 2009

CERTIFICATIONS

- Certified Kubernetes Security Specialist (CKS), 2023
- Certified Kubernetes Administrator (CKA), 2023
- Microsoft Azure Data Fundamentals, 2022
- Microsoft Azure AI Fundamentals, 2022
- Microsoft Azure Fundamentals, 2022
- Microsoft Security, Compliance, and Identity Fundamentals, 2022
- AWS Partner: Technical Accredited, 2025
- AWS Certified Cloud Practitioner, 2021
- SUN Certified Java Programmer, 2009
- RedHat Certified, 2007

TRAININGS

- Advanced Threat Protection, Elastic Search, MDR, and MDM
- Code Static Analysis, i18N, L10N, Security Training, FitNesse, Node.js, Lucene,
- Data Integration Tools (Pentaho: Kettle), Talend, Pixel Perfect, and Puppet
- Undergone 2 months of training in maintenance: Pioneered handling website and admin panels of websites; and training in PLC and Bellows' Cleaning Machine: handling and automation of machines at Mahindra & Mahindra Ltd., Nagpur.

AWARDS & ACCOLADES

- MTS Cohesive Team Award: Got recognition for exemplary performance for the MTS-Merchant Transaction Service module for the CVP-Connected Vehicle Program (Product Release-MTS) in time with quality against all odds.
- Symantec Level 1 Applause Award: Evaluation of mobile test automation framework.
- Symantec Level 2 Applause Award: Got recognition for certifying the Events module for the SUEP product.
- Honored with Symantec Level 2 Applause Award for Innovation for pioneering a technology-driven solution, allowing CMF team to measure dynamic code coverage with 60% increased accuracy and reduced testing time by 25%
- Awarded a certificate for completing a live project at Persistent Systems Limited, Nagpur, working on management information browsers and agent simulator systems.

PERSONAL DETAILS

Nationality: Indian ~ **Languages Known:** English, Hindi, and Marathi

Passport: Yes, valid until Sep 2027

Social Links: <https://www.linkedin.com/in/prafull-chauvhan>

REFERENCES

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