

DHRUV KUMAR

~ Software Test Management | Automation Management | Quality Assurance ~

Nearly 10 years of experience in Software Test Management (Automation & Manual Testing) and Software Quality Assurance, with specialization in Telecommunication, Healthcare, Hardware Testing, Investment Banking & Personal Banking domains.

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🐙 <https://github.com/DhruvQEArchitect>



Executive Profile

- Performance-driven Software Test Engineer with expertise in **API Automation Testing (using Java), Web Application Testing (Selenium WebDriver), Service Virtualization, Database Testing, Mobile Testing, Playwright**, Performance Testing, Security Testing and other specialized testing activities.
- Proficient in Software Test Life Cycle**, including Test Strategy Definition, Test Plan Creation, Test Design, Test Estimation, Test Execution, Test Data Creation & Validation, Test Review and Defect Reporting & Verification.
- Proven success in **design and implementation of automation frameworks & strategies**, managing multiple roll-outs and enforcing standard test processes.
- Expert at designing and implementing automation frameworks such as **Cucumber BDD, TestNG, Junit and Data Driven & Hybrid Framework**, resulting in efficient and reliable test automation processes.
- Possess programming skills in **Java with a track record of implementing Continuous Integration/Continuous Deployment (CI/CD) with tools such as Jenkins, Maven & Gradle.**
- Successfully **automated critical defects, resulting in reduction in QAE hours, streamlining project timelines** and enhancing overall efficiency.
- Proven success in incorporating industry best practices, techniques and methodology into existing testing processes for **effective bug fixing & resolution of issues; strong debugging skills to analyze RCA of most complex issues** and find different solutions.
- Ability to adapt to Agile Scrum methodologies, actively participating in Agile Ceremonies** to enhance project collaboration and delivery.

Education

- 2022: **MBA from Liverpool Business School, London, UK**
- 2014: **B.Tech. in Electrical and Electronics Engineering** from GGSIPU with CGPA 8.2/10

Certifications

- Aug'2024: CSPO
- Dec'2023: Azure Certified
- Oct'2023: Certified SAFe® 6 Practitioner by Scaled Agile, Inc.

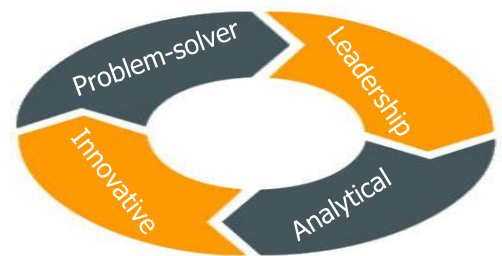
Technical Skills

- Programming Language:** Core Java, Python (Basic), JavaScript (Basic)
- Database:** SQL, MongoDB
- Frameworks and Tools:** Eclipse, Junit, TestNG, Selenium, Cucumber, Test-Complete, Eggplant, RQM (Rational Quality Manager), HP-QC, Test Rail, AutoIT, Postman, MTM, TFS, Automation Frameworks, BDD, JMeter, Performance Testing, IntelliJ, Microservices Testing, REST Assured, Cypress, Playwright
- Others:** GitHub, Maven, Jira, Confluence, DevOps knowledge, NCover, Webservices, REST APIs, SOAP

Key Impact Areas

Automation Testing, Automation Framework Design	Software Testing Lifecycle Management
Test Planning & Estimation, Test Documentation & Metrics	Defect Tracking & Prevention Analysis
Continuous Integration & Deployment	Quality Assurance Strategies, Fixed Bug Verifications
Risk Identification, Mitigation & Control	Agile (Scrum & Kanban), Waterfall Methodology
CI/CD Integration	Team Recruitment, Training, Knowledge Transformation

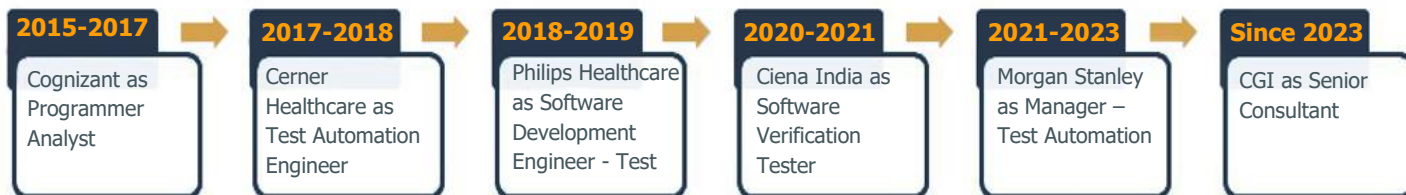
Soft Skills



Awards & Appreciations

- ▶ Quaterly Award in 2024 for developing a new tool
- ▶ Bravo Award for keeping client first in CGI
- ▶ Bravo award for keeping client first in Ciena
- ▶ Excellence Award in Philips, for extraordinary performance.
- ▶ Client appreciation in Cogniza for developing a cost and time efficient tool.

Career Timeline



Notable Highlights

- Led **100% in-sprint automation across multiple teams**, resulting in marked improvement in testing efficiency.
- Formulated key automation metrics that led to a **remarkable 60% increase in overall automation execution**, enhancing overall testing effectiveness at CGI.
- Created and deployed a **robust suite of automation test frameworks utilized by 6+ teams at CGI**, significantly improving testing efficiency.
- Played a key role in the **successful migration of 70+ non BDD test cases** to the BDD Framework within 1-month period, enhancing test execution speed at Morgan Stanley.
- Refined existing automation frameworks, successfully **decreasing the lines of code from around 15K to 11K, thereby improving maintainability and performance**.
- Led the automation of over 80% of regression test cases for telecom applications, which resulted in a 50% reduction in testing time and improved release cycles at Cognizant Technology Solutions.
- Successfully developed a licensed product that automated security patch deployment, **increasing revenue for Philips Healthcare**. Received the **Excellence Award** for outstanding performance during a quarter.
- Successfully developed a **Playwright Framework as an open-source contribution**.

Professional Experience

Since June'2023 - Present | CGI | Senior Consultant

Responsibilities:

- ❖ Leading a team of 6 Quality Engineers in the TD Bank Business Banking Payments Division, overseeing all aspects of testing including both manual and automated processes to ensure comprehensive coverage.
- ❖ Designing and implementing robust test automation frameworks tailored to both Legacy and Modern applications.
- ❖ Formulating strategic plans for testing initiatives, ensuring that execution aligns with project goals and quality benchmarks.
- ❖ Spearheading QA efforts for critical projects, ensuring adherence to quality standards and project timelines.
- ❖ Developing test scope, test strategy, test plan, test cases, test suits, scenarios, test data & requirement traceability matrix based on various project constraints; driving timely delivery of different testing milestones.
- ❖ Developing Automation Test Scripts for the identified Automation scenarios using Java language.
- ❖ Implementing BDD Cucumber Framework using Jenkins & Java, improving testing efficiency and reducing testing cycle & cost.
- ❖ Using Selenium features to design and optimize browser-based automation scripts integrated with cucumber feature files; optimizing test execution & result reporting by integrating and customizing TestNG Framework.
- ❖ Identifying and automating repetitive, stable and time-consuming manual test cases.
- ❖ Utilizing principles of Core Java to create modular and reusable code, enhancing maintainability and scalability.
- ❖ Version controlling the upgrades using Git hub to keep track of the code changes.
- ❖ Utilizing CI/CD pipelines using Jenkins and configuring Jenkins jobs to automate test execution & result reporting.
- ❖ Leading Agile-Scrum ceremonies, provided continuous feedback, brainstormed user stories, performed risk mitigation.
- ❖ Managing Defect Life Cycle including defect creation, defect tracking, addressing change requests, recommending preventive measures and rectifying defects; conducting UAT to facilitate informed decision-making for feature launches.
- ❖ Participate in stakeholder meetings to deliver updates on testing progress, challenges, and strategies for effective risk mitigation.
- ❖ Recruiting and mentoring new team members, fostering a culture of knowledge sharing and professional growth within the team.
- ❖ Conducting proof of concept (POC) evaluations for new tools and technologies to enhance overall testing efficiency.

June'2021 – June'2023 | Morgan Stanley, Bengaluru | Manager – Test Automation

Responsibilities:

- ❖ Led the automation testing efforts for both frontend and backend applications, supported by a team of 5 Quality Engineers in executing Performance Testing using JMeter.
- ❖ Coordinated with international counterparts in the US and UK to ensure timely delivery of testing outcomes.

- ❖ Enhanced code coverage from a testing perspective, ensuring that all critical functionalities are thoroughly validated before release.
- ❖ Embraced new technologies and frameworks as required, demonstrating adaptability and a commitment to continuous learning.
- ❖ Established a cross-functional collaboration framework that improved communication between testing and development teams.
- ❖ Received accolades for timely delivery of testing outcomes, contributing to the successful launch of multiple high-stakes projects.
- ❖ Developed a comprehensive training program for new team members, enhancing their onboarding experience.

Mar'2020 – June'2021 | Ciena India, Remote | Software Verification Tester

Responsibilities:

- ❖ Collaborated with the Hardware/Software team to automate device testing using Command-Line Interfaces (CLIs), Protocol Testing, and APIs, ensuring comprehensive coverage of all functionalities.
- ❖ Performed Manual Testing of web-based Network Management Systems (NMS) while simultaneously automating processes using Selenium with JUnit/TestNG.
- ❖ Documented test cases, defects, and root cause analyses to facilitate effective communication and continuous improvement.
- ❖ Coordinated with US counterparts to ensure timely delivery of testing outcomes and alignment with project schedules.
- ❖ Developed a status tracking tool within two months of joining, significantly reducing manual effort and improving overall efficiency.
- ❖ Implemented a comprehensive test case review process that improved test case quality and reduced the number of rework cycles.
- ❖ Successfully automated X% of manual test cases, leading to improved testing efficiency and reduced time to market.
- ❖ Contributed to the successful launch of multiple products by ensuring rigorous testing and validation processes were followed.

Nov'2018 – Mar'2020 | Philips Healthcare, Bengaluru | Software Development Engineer - Test

Responsibilities:

- ❖ Led the automation testing efforts for the Intellispace portal, utilizing Test-Complete and NFT.
- ❖ Developed a system for automatic downloading and deployment of Microsoft security and .NET patches on client systems, significantly reducing security vulnerabilities.
- ❖ Integrated automated testing tools that streamlined the testing process, resulting in a 30% reduction in manual testing efforts.

Sep'2017 – Nov'2018 | Cerner Healthcare, Bengaluru | Test Automation Engineer

Responsibilities:

- ❖ Automated a window-based application from scratch using Eggplant, an Image-based automation tool.
- ❖ Utilized the framework provided by the Eggplant tool to develop and execute automated test cases.
- ❖ Pioneered the use of Eggplant for automating complex test scenarios, achieving a 100% increase in test execution speed.

Apr'2015 – Aug'2017 | Cognizant Technology Solutions, Bengaluru | Programmer Analyst

Responsibilities:

- ❖ Automated 104 selenium scripts for a new project utilizing MongoDB, a relatively new database at the time.
- ❖ Successfully created all scripts ahead of schedule, demonstrating exceptional time management and project execution skills.
- ❖ Developing a tool for automatically generating coupons for customers, significantly reducing time and cost.
- ❖ Developed a coupon generation tool that saved 55% in time and costs, receiving client appreciation and approval.
- ❖ Successfully contributed to securing a major project for Cognizant by delivering high-quality automation scripts ahead of schedule.