HARSHITH A GANESH
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Professional Summary

Experienced Software Test Engineer – **ISQI Certified** with over 4+ years of hands-on experience in IT, specializing in manual and automation testing. Proficient in Agile methodology and software testing, with a proven track record of delivering high-quality solutions across **Banking, Insurance**, and **Automobile** domains. Possesses work experience in Sweden and India, demonstrating adaptability to diverse environments. Actively seeking opportunities as a **QA/SDET Engineer** to contribute expertise in ensuring product quality and reliability.

Skills

- **Languages**: Java, JavaScript, HTML, CSS, JSON.
- **Automation Design Framework**: Selenium, Cypress, TestNG, Maven, Page object model, Behaviour Driven Development (BDD), Test Driven Development (TDD), Cucumber, WebDriverIO.
- **Defect and Test management tools**: JIRA, Azure DevOps, Trello, Confluence.
- **Web Services:** RESTful APIs, SOAP, Swagger, Postman.
- **Databases:** SQL, MongoDB.
- **Tools:** GIT, SVN, Eclipse, Visual studio code, Azure DevOps.
- **Key Competencies:** Test Automation, Manual testing, Test Management, Test Estimation, Testing Strategies, Test Plans, Test Scripts, Agile Methodology (Scrum/Kanban), JUnit, Gerkin, STLC, SDLC, AWS, Project Management, Object-oriented programming, Docker, Jenkins, .NET.

Experience

Test Automation Engineer - Barclays (Knutsford, UK)   *Present*

- Spearheaded the maintenance of automated test scripts using Playwright with Java within the MAF framework, ensuring robust validation of UI functionality and seamless user workflows.
- Designed and executed REST API tests using Java BDD (Behavior-Driven Development), ensuring the reliability and accuracy of backend services.
- Authored and maintained SBEs (Specification by Example) to align business requirements with testable criteria, enhancing clarity and reducing ambiguity in project deliverables.
- Enhanced test coverage by 15% through the implementation of advanced automation strategies and framework improvements.
- Played a key role in improving the automation framework, resulting in a 10% reduction in test execution time and increased efficiency in regression testing.

MFCO/QA - Royal Mail (Northampton, UK)   *Sept 2022 – Dec 2024*

- Implemented quality checks and quality assurance processes by verifying that each parcel was correctly assigned to its designated York, leading to increase in efficiency for tracking and reducing misrouting errors by 10%.
- Conducted Sanity and Regression testing to maintain environment stability and accurate parcel delivery operations.

Senior Software QA Engineer - Capgemini (Bengaluru, IN)   *Jan 2020 – Dec 2021*

- Designed and implemented a component-based framework (CBF) for the Sales Offer Service tool in Volvo's fleet management service. Resulting in a 12% reduction in testing time and a 10% increase in code coverage, using technologies such as **Java, C#, Selenium, Cucumber, TestNG, MySQL, Azure,** in automotive SPICE environment.
- Led the team through defect triage meetings, engaging all project stakeholders in discussions to address issues.
- Crafted targeted Test scenarios focused on early issue detection, resulting in a notable 5% reduction in issue related delays during the testing process.
- Executed more than 650 regression tests through Selenium, detecting 40+ minor and 35 major defects in the early stage.
- Established Continuous Integration/Deployment (CI/CD) Pipeline Integration, managed pull requests, and utilized Jenkins for seamless automation and efficient deployment processes.

Software QA Engineer - Capgemini (Mumbai, IN)   *Nov 2018 – Dec 2019*

- Maximized the company's return on investment (ROI) by developing and evaluating approximately 4000 manual and automated tests using advanced testing techniques which improved testing efficiency and enhanced software quality.
- Communicated testing progress to stakeholders, conducted detailed analysis of test results to identify and track software defects, and executed timely corrective actions for resolution.
- Pioneered an end-to-end automation test strategy using Selenium WebDriver and created a hybrid framework, leading to a remarkable 10% reduction in manual effort and showcasing efficiency gains in testing processes.
- Demonstrated proficiency in Functional testing, System Testing, Integration Testing, Regression Testing, User Acceptance testing, Exploratory Testing, Performance, Restful API Testing and End-to-End Testing across different domains.
- Enhanced the performance of the regression suite by 12% by implementing parallel processing using TestNG.

Education

Master of Science in Advanced Computer Science (MSc)   *Jan 2022 – Jul 2023*
University of Leicester, United Kingdom **(Distinction).**
Core Modules: Analysis and Design of Algorithms, Mobile and Web Technologies, Software Measurement and Quality Assurance, Advanced C++ Programming, Agile Cloud Automation, Service Oriented Architecture.

Bachelor of Engineering, Electronics and Communication (BE)   *Jul 2014 – Jun 2018*
Visvesvaraya Technological University, India.

Projects

Volvo/Renault
- Automated cross-browser testing using Selenium WebDriver and TestNG using JAVA for IE, Chromium, and Firefox, guaranteeing consistent performance across major browsers.
- Created reusable and generic code components, improving efficiency and maintainability across projects. This led to a significant 25% reduction in test execution time.
- Executed manual testcases, Automated tests, API testing with Postman and Swagger UI, securing seamless integration and functionality.
- Performed regular code reviews to ensure the quality and efficiency of automation scripts and assessed and enhanced the existing automation framework, thereby achieving comprehensive test coverage.

Länsförsäkringar
- Incorporated Agile methodologies, adapting manual and automation testing approaches across the SDLC using Selenium WebDriver and BDD, TestNG, ensuring robust testing.
- Conducted regression testing by executing scripts and logged identified defects for further analysis, leading to 7% improvement in project efficiency and functionality.
- Acquired proficiency and implemented an automation testing tool for cross-functional team, showcasing capabilities through a compelling Proof of Concept with 20-30 test scenarios that saved 300+ hours of testing time.
- Involved in Sprint Planning, coding, debugging, Test Case Preparation, Test Data creation and Execution, Process Documentation, Issue Resolution Activities, Defect Reporting.

Certifications and Awards:
- Certified with **ISQI Selenium**, along with **agile methodology**, **core Java, Sql, ITIL foundation** certification in IT service management.
- Honoured with the prestigious **NORDICS India All-Star** award for September 2021, in recognition of exceptional skills and significant contributions for the project.
- Proud recipient of the distinguished **CapStar** award from Capgemini for an outstanding **Mimicry** performance.