

VAISHNAV KALAIKUMAR

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PROFILE SUMMARY

- Senior Quality Engineer with 6+ years of experience driving end-to-end Quality Assurance for enterprise applications.
- Expert in designing robust Hybrid Automation Frameworks using Selenium WebDriver and TestNG, leveraging Page Object Model (POM) and OOPS principles for maximum scalability.
- Proficient in CI/CD pipeline integration (Jenkins, Git) and Cloud-based validation (AWS).
- Recognized Guinness World Record Holder for pioneering the use of Generative AI (GitHub Copilot) in software testing.
- Adept at leading QA cycles in agile environments to ensure zero-defect releases.

TECHNICAL SKILLS

- **Automation:** Selenium WebDriver, TestNG, Maven, POM, Extent Reports, GitHub Copilot (Gen AI)
- **Programming/Scripting:** Java, Shell Scripting
- **Test Management:** JIRA, Zephyr, Qmetry, BrowserStack, Elo View, Jarvis
- **Cloud & DevOps:** AWS (EC2, S3, SNS, Lambda, SQS, Device Farm), Jenkins, Docker, VMware
- **Platforms:** Windows, Mac, Linux, Android, Citrix
- **Tools:** Git, GitHub, IntelliJ IDEA, Eclipse, Postman, WinSCP, PuTTY

PROFESSIONAL EXPERIENCE

COGNIZANT TECHNOLOGY SOLUTIONS

ASSOCIATE – SR. QUALITY ENGINEER

FEB 2021 – PRESENT

KEY RESPONSIBILITIES

- **Domain Leadership:** Spearheaded QA operations for the QEA-RCGTH domain, orchestrating end-to-end testing strategies for the Taco Bell Delivery Website and complex third-party aggregator integrations (GrubHub, UberEats, DoorDash).
- **Automation Framework Design:** Architected and maintained a robust, scalable Hybrid Automation Framework using Java, Selenium WebDriver, and TestNG. Implemented Page Object Model (POM) and Page Factory design patterns to maximize code reusability and significantly minimize script maintenance efforts.
- **Test Execution & Optimization:** Executed **Parallel Testing** using **TestNG**, drastically reducing regression cycle times while ensuring comprehensive test coverage across rapid Agile releases.
- **Cloud Data Validation:** Performed comprehensive data validation to ensure front-end application data synchronizes accurately with backend data stored in **AWS (S3)**.
- **Cross-Platform Compatibility:** Leveraged **BrowserStack** to execute and validate tests across diverse devices (iOS, Android) and browsers, ensuring seamless cross-platform functionality and performance.
- **Defect & Release Management:** Actively participated in Sprint planning, Daily Standups, and Release Build meetings. Managed the complete defect lifecycle using **JIRA** and **Qmetry**, tracking critical defects to closure prior to production deployment.

- **Log & Microservices Analysis:** Conducted POS & KDS Windows validation and utilized log monitoring tools to troubleshoot Microservices and ensure application stability in the QA environment.
- **Collaboration:** Drive QA processes in Daily Standups, Release Build meetings, and UAT sessions within QA and Production environments.

HCL

TEST ANALYST

FEB 2020 – JAN 2021

KEY RESPONSIBILITIES

- **Black-Box Testing:** Conducted full-cycle testing including Functional, Integration, System, Regression, and Sanity testing for diverse application modules.
- **Requirement Analysis:** Analyzed functional specifications to design detailed manual test cases, ensuring 100% requirement coverage.
- **Defect Lifecycle:** Managed bug tracking and reporting using JIRA, ensuring critical defects were resolved prior to Go-Live.
- **Test Documentation:** Prepared and executed Test Cases as per System Requirements and involved in Exploratory Testing scenarios.

SUTHERLAND GLOBAL SERVICES

AMAZON KINDLE – TECH SUPPORT ENGINEER

SEP 2017 – JULY 2019

KEY RESPONSIBILITIES

- **QA Contributions:** Developed and documented manual test cases for complex scenarios and Exploratory Testing areas not covered by automation.
- **Process Improvement:** Created and maintained system procedures and work instructions to enhance team operational knowledge and training.
- **User Support:** Investigated and resolved technical issues for Amazon Kindle users via phone and web support channels.

ACHIEVEMENTS & CERTIFICATION

- **Guinness World Record Holder:** Participated in the **Generative AI Hackathon** using **GitHub Copilot** to solve coding challenges.
- **Certification:** Certified in Software Testing (Manual & Automation using Selenium) – Qspiders Software Testing Training Institute.
- **Certification:** GitHub Copilot Advanced Program for QEA (Quality Engineering and Assurance).

EDUCATION SUMMARY

B.E [Electrical and Electronics Engineering]

2017

- **College:** Sri Krishna Engineering College, Chennai
- **Aggregate:** 7.08 (CGPA)

PERSONAL INFO

Male, Indian, Born on 10th July 1996,

Other Interests: **Video Editing/ Mobile Photography/ Stargazing.**