# SANKARA NARAYANAN RAMESH

355, Dale Cres, Waterloo, ON Waterloo, ON | +1(548) 398 0995 |
sankaranarayananr20@gmail.com  | **Linkedin** | **Portfolio**

## CAREER SUMMARY:

Results-driven Software Quality Assurance Engineer with over 3 years of experience in manual and automation testing, specializing in mobile (Android and iOS), web applications, and API testing. Expertise in building robust test automation frameworks using Selenium, Appium, and TestNG, Cucumber, Rest Assured, along with CI/CD integration using Jenkins. Proven ability to lead teams, streamline processes, and deliver high-quality software solutions. Adept at API automation and testing, crash analysis, and performance optimization. Seeking to leverage technical skills and leadership in a dynamic environment to ensure product quality and efficiency.

## Technical Skills:

- **Operating Systems:** Windows, macOS, Android, iOS.
- **Test Automation Frameworks:** Selenium, Appium, TestNG, Cucumber, Behavior-Driven Development (BDD), Data-Driven Testing (DDT), Page Object Model (POM)
- **API Testing:** Postman, Swagger, Rest Assured
- **Test Management Tools:** TestRail
- **Defect Management Tools:** JIRA
- **Programming Languages:** Java, SQL
- **Integrated Development Environments (IDEs):** Visual Studio Code, Eclipse
- **Web Technologies:** HTML, CSS
- **CI/CD:** Jenkins
- **Performance & Crash Analysis Tools:** JMeter (Basic), Kibana, Redash
- **Version Control:** Git
- **Database:** MySQL, PostgreSQL

## PROFESSIONAL EXPERIENCE:

### Senior Software Quality Assurance Engineer

Amazon Development Centre, India | July 2022 – June 2024

- Led a team of 6 QA testers, successfully delivering multiple mobile and web application projects, increasing testing efficiency by 25%.
- Led the successful launch of over 10 new features with zero production issues post-release, ensuring high product quality and user satisfaction.
- Designed and implemented automation frameworks using Selenium WebDriver, TestNG, and Cucumber, reducing manual testing efforts by 30%.
- Automated REST API testing with Rest Assured and manual validation through Postman, improving API test coverage by 35%.
- Conducted performance testing by manually recording CPU and RAM metrics and utilized JMeter for basic performance automation.
- Utilized Kibana and Redash for crash analysis, resolving critical issues that increased app stability by 20%.
- Managed and tracked test cases and defects using JIRA and TestRail, ensuring smooth communication with development teams.

- Analyzed more than 4,000 issues over two years, identifying sensitive vs. stable components to enhance the regression suite, increasing test coverage and reliability.
- Automated the process of downloading daily test builds for both Android and iOS platforms, reducing manual effort and sharing builds with the team efficiently.
- Conducted regular bug triage meetings with developers and product managers, ensuring timely issue resolution and seamless release closures.
- Refined and optimized test cases for new features post-production, reducing execution time by 20% (from 10 hours to 8 hours) and incorporating them into the regression suite for ongoing efficiency.

## <u>Software Quality Assurance Engineer (Associate)</u>

Amazon Development Centre, India | June 2021 – July 2022

- Participated in Agile Scrum ceremonies, contributing to story refinement, sprint planning, and estimation.
- Conducted comprehensive manual testing on Android and iOS platforms, focusing on regression, smoke, sanity, UAT, and exploratory testing.
- Created and executed detailed test cases, ensuring full coverage of project requirements and functionality.
- Collaborated with cross-functional teams to report defects, perform root cause analysis, and track issues through JIRA.
- Supported the test environment setup and performed backend configuration testing across multiple platforms, ensuring compatibility and performance.

## Project details:

### <u>Tools and Technologies:</u>
- Android, iOS  Applications, Smoke, Regression, Exploratory testing, Selenium,Appium, Postman, Swagger, Jira, Testrail, Kibana, SIM(simple issue manager), Virtual Machines- Windows, macOS, ADB commands, Git, Redash, LogViewer,

### <u>Responsibilities:</u>
- **Auto Assign, Payment Trigger, Cart Scan Pickup:** Led performance and compatibility testing initiatives, increasing test coverage by 40%. Developed comprehensive test cases and executed automation scripts to ensure functionality across iOS and Android.
- **Homecoming & Lighthouse, Loading Guidance, ZaZu:** Managed end-to-end testing, from test planning to execution, ensuring timely delivery and system reliability. Coordinated closely with the development team to improve feature stability.

## Education:

Bachelor of Electronics & Communication Engineering | St. Joseph's College of Engineering

## Certifications:

- Selenium WebDriver with Java - Basics to Advanced+Frameworks
- The Complete SQL Bootcamp
- Postman - Learn API Testing from Scratch with Live Projects
- Introduction to Front-End Development
- Learning JIRA software
- Software testing Foundation: Test techniques

## Additional Information:

- **Languages:** Fluent in English, Tamil
- **Availability:** Immediate