Sagar Amin
QA/QE Engineer | Testing & Automation Advocate | Agile & CI/CD Engineer

Urbandale, Iowa
sagar.aminuk@gmail.com | 312-965-4081
www.linkedin.com/in/remoteqaengineer

PROFESSIONAL SUMMARY
Testing and automation lie at the core of this journey, driving quality throughout the SDLC. As a QA/QE Quality Advocate, expertise is continuously refined in testing, automation, CI/CD, and agile practices to embed quality at every stage. Specializes in refining acceptance criteria with product owners, collaborating closely with developers using Testing in Branch (TiB) to catch defects early, reviewing merge/pull requests, and supporting Scrum teams to deliver customer-focused goals and demo-ready functionality at the end of each iteration—then repeat. Highly adaptable in Agile environments, leads daily testing and automation efforts to keep the CI/CD pipeline green and ensure automated tests are effective. As a collaborative mentor, empowers QA engineers through guidance and shared learning.

TECHNICAL SKILLS
Playwright, Selenium WebDriver, Cucumber BDD, Postman, Newman CLI, GitHub Actions, GitLab, Jenkins, Azure DevOps, Jira, Confluence, TestRail, Xray, Atlassian Bamboo, Capybara, Detox (Mobile Automation), InSpec, EndTest.IO, Cognizant Intelligent Test Scripter, Ranorex, Watir, Allure Reports, OpsGenie, Copier, Regression/Smoke/Sanity/Exploratory Testing, Web Applications, Mobile (Android/iOS), Desktop Applications, IoT Devices, LifePro-EXL, DialogFlow CX, K6, Shift-Left/Shift-Right Testing, Podman/Docker, SAFe.

PROFESSIONAL EXPERIENCE
Lead Test Engineer
Trility Consulting - Clive, IA | Remote | December 2021 - August 2025
Client Industry: Satellite Communications

- First two months implemented Gitlab pipelines using CD components that executed clients smoke, regression and web-ui tests integrated into CI/CD pipeline.
- Implemented Allure Reports for automated testing reports that allowed stakeholders to view test results using Gitlab Pages.
- Using Copier/Jinja templating implemented a solution that dynamically generated teams network configuration files based on data files, which made it easier for teams to maintain.
- Coached client DevOps Engineer on how to implement a workflow component in Gitlab & how to test for installed dependencies on a base image.

Client Industry: Manufacturing
Article: https://www.trility.io/experience/mobile-app-feature-buildout

- Executed testing for a newly developed B2B mobile application that involved functional, regression and integration testing using simulators for iOS/Android as well as physical devices to ensure functionality and saw a successful launch of the mobile application.
- Created test cases for the mobile application that was managed and executed using Xray.
- Worked with Product owners to ensure acceptance criteria is defined correctly and worked with developers to ensure functionality meets the acceptance criteria.
- Testing within the branch of the feature functionality which provided early feedback to developers that resulted in bugs being fixed before it got into testing.

- Implemented automated tests using Detox for mobile application which has 90% test coverage and over 13K in test execution in Github. Every PR was fully tested and automated tests (smoke/ regression) were executed nightly in Github.
- Implemented Allure Reports for automated test reporting that easily allowed scrum teams to view test reports.
- Implemented Cucumber BDD and Playwright automation framework within a SPA (single page application) that tested core functionality. This showcased to the teams how BDD can be used and implemented.
- Implemented API and Web Browser Monitoring using Checkly for both QA and Production.
- Implemented OpsGenie for the scrum team that allowed the team to get notified if an API in Production went down. Allowed the team to react faster.
- Provided release documentation for the Product owner that helped show which mobile app version was to be submitted to Apple Store and Google Play Store.

Client Industry: Insurance
Role: Delivery Coordinator/Test Engineer
- Conducted daily scrum activities such as Daily Standup and Retrospective to remove any obstacles for the delivery team and created actionable outcomes from Retrospectives.
- Worked with client Product Owner to clean up an existing Product Backlog to ensure that each user story is mapped to an EPIC in Jira and tied to an initiative.
- Created baseline product roadmaps in Jira using Plans to help the Delivery Manager communicate out timelines to the client.
- Actively worked with the Delivery Manager to ensure the Backlog is healthy and work is prioritized for the delivery team to work.
- Worked with the vCISO on documenting policies such as software policy, change management policy, incident management policy before final review and publication by upper management.
- Oversaw and worked with the vCISO on SOC2 work that ensured all tickets are tracked in Jira, assigned into the sprints which lead to successful completion of SOC2 work on time for the client.
- Lead Production Support Incident meetings with the client to go through root causes issues.
- Helped the Integration Engineer with exploratory testing to ensure work is completed on time.
- Provide guidance to the Integration Engineer on different approaches for test automation to ensure successful acceptance tests are being written.
- Created QA Documentation in Confluence that showed the process of testing different core functionality of the middleware system. This documentation was provided to the client to help them with any UAT testing they needed.
- Create a release planning on Confluence that presents information for each release such as dates, release notes, technical deployments notes that can be easily consumed by any stakeholder.
- Implemented a process for using releases in Jira to help the delivery team clearly identify user stories, tickets for a release. This allowed for easier management of releases.

Lead QA Engineer
Kin & Carta - Chicago, IL | Remote | October 2021 - December 2021
- Prepared and presented on "Fundamentals of Quality Assurance" to new KAP cohorts that gave an overview of what quality assurance is, different types of testing and what is automation.
- Created test plans, test strategy for testing of a conversation based agent built on Google DialogFlow CX.
- Collaborated with Technical Principles on test plan and test strategy to ensure shared understanding of testing strategy.

- Performed manual testing and regression testing of conversational agents in DialogFlow CX console and on the phone to ensure conversations are working correctly.
- Logged defects in Jira and worked with developers to provide sample conversations for recreating defects. Retested defects to ensure no other defects were introduced.
- Mentored Junior QA Engineer that was onboard to make sure they had a good understanding of how to test conversation agents, bring them up-to-speed on the project and the process for creating test cases to ensure successful, quality is delivered and demoed to the client at sprint end.
- Design test cases using Cucumber BDD principle and shared test cases with developers to earlier feedback.
- Took the training courses on the company's LMS such as AI Fundamentals, Data, Law Training, Greenhouse ATS and Conversation Design.
- Self paid for a course on fundamentals of Google Cloud that allowed me to build a fundamental understanding of DialogFlow CX.

Lead QA Engineer & Scrum Master
CarLabs.AI - Los Angeles, CA | Remote | May 2021 - September 2021
- Performed functional testing and regression testing of CarLabs.AI (https://www.carlabs.ai/) applications that also include translation and NLP Testing.
- Monitored errors of micro-services in DataDog then logged defects in Jira for the development team to address. This gave the team clear concise defects to resolve and make the platform better.
- Performed minor code changes i.e. adding labels and adding a button to a web page all the way through to Production.
- Lead the agile scrum daily activities such as Daily Stand-ups, Sprint Planning, Refinement Sessions, Sprint Demos and Backlog Grooming.
- Implemented demo deck slides for Sprint Demos to showcase the delivery team's work that could be consumed by different stakeholders.
- Reported status of sprint deliverables to senior level stakeholders such as CEO of Technology and Board Members.
- Maintained project gantt chart using SmartSheets to track milestones.
- Actively worked with the Product Owner to make sure the backlog was groomed and user stories had the acceptance criteria on them that allowed the scrum team to effectively refine the user stories.
- Led work with the third-party vendor on the DevOps work to ensure tickets were created in Jira and tracking their deliverables.
- Create invoices template for the chief operating officer that allowed them to effectively track time against billable work for contractors.
- Created documentation on how to test various aspects of the applications. As a result of one documentation the CTO was impressed as they followed this document to go over a particular set up and test.
- Created other documentation such as Sprint Planning, Technical Debt and Release Management on confluence that allowed other stakeholder to contribute.
- Supported daily Production fix where I manually changed data in Firebase to ensure the conversation emails were displaying on the application for the end consumer.

Senior Consultant
Sogeti USA, Part of Capgemini - West Des Moines, IA | Remote| March 2020 - May 2021
- Contributed to the Project Governance documentation for Quality Engineers that all delivery teams should adhere too.
- Created On-boarding and off-boarding documentation for SDETs.

- Participated in an internal audit where I demonstrated working examples of the delivery teaming adhering to Project Governance.
- Was the Co-tech lead for the delivery team where I helped in communicating delivery issues, status on tickets, updates on sprint demos and providing sprint end reporting to the engagement manager.
- Helped lead the delivery team through sprint planning, removing roadblocks on technical or access issues on the client-side.
- Provided guidance to SDETs on the automation tooling that the client uses and helped them establish what testing should happen for user stories.
- Actively performed testing for all user stories within the sprint to ensure fully tested and working software.
- Created test automation scripts in the sprint using the client's in-house built test automation framework, Cognizant Intelligent Test, CITs.
- Create API automation using Postman that was integrated into Azure DevOps using Newman CLI. This was demoed to various senior level management as it was not done before.
- Presented various topics at the clients community of practice meeting on topics such as test case design, behavior driven developments and control-m.
- Actively took on new challenging work such as refactoring minor COBOL code, deployed locally for testing and then deployed the fix for UAT testing by the business stakeholders. This was then released as part of a Production release by the delivery team.
- Actively part of the delivery on-call team rotation where I helped monitor the inbox, triage incidents, assign incidents to resolve.
- Part of the client's automation working group where I proved out the concept of executing automated tests in Azure DevOps on a hosted agent for CI/CD. Showed the simplicity of how different stages could be executed.
- Interviewed for open SDETs positions for each delivery team.
- Participated in daily touch-base meetings with all tech leads on sprint status to ensure successful delivery and communicated any risks.

Test Automation Engineer
Lean Techniques - Johnston, IA | August 2019 - March 2020
- Created a test automation strategy vision for the Individual Disability Insurance department that was presented to senior management.
- Analyzed existing third-party vendor framework and presented findings to off-shore staff and senior management that allowed them to make effective decisions.
- Presented a new automation framework using Java, Selenium WebDriver and Cucumber BDD that can be adopted on all test automation projects by the department.
- Provided assistance to the off-shore remote staff on test automation best practices using BDD and automation to ensure test scripts are moved into the new framework correctly.
- Integrated the automation framework into Azure DevOps on a self-hosted agent for continuous testing. This allowed QA Engineers to check-in automation code, which would then be automatically executed in Azure DevOps, as well as running the different stages i.e. smoke or regression on demand by the click of a button.
- Integrate the automation framework in Atlassian Bamboo for testing on-prem functionality.
- Proofed out a concept to execute automated tests inside Kubernetes in Azure DevOps. Actively work with the Senior DevOps Engineer to get this working and resolve porting issues.
- Implemented a proof-of-concept for getting docker working locally with Selenium Hub. This process was documented and presented to other QA Engineers for future use as this had not been done before.
- Provided coaching and mentoring to Senior Software and QA Engineers on automation, performance testing best practices that helped in their daily work activities.

Automation Test Engineer
Intoxalock - Des Moines, IA | March 2019 - July 2019
- Came up to speed to set up a test environment that simulates a service center, shipping and receiving of devices.
- Performed functional testing, regression testing, integration testing and smoke testing of all applications to ensure end to end functionality is working as expected.
- Logged defects in Azure DevOps and worked with developers to address the defects found.
- Developed a Postman collection for web service automation.
- Developed test automation scripts using EndTest.IO (https://endtest.io/) for https://www.intoxalock.com/ that saw coverage increase by ~80%.
- Worked with off-shore resources in India to allocate work for automation and help them debug any test scripts issues in EndTest.IO.
- Created basic SQL queries to validate data, modify data needed for testing and smoke testing in Production.
- Baselined documentation in Azure DevOps Wiki on how to set up test environments and test plan templates that can be consumed by offshore QA Engineers.

Founder - Quality Assurance & Automation Services
DS-QA Consulting, LLC - Des Moines, IA | March 2016 - March 2019
Client: Trility Consulting
- Developed automation framework using Cucumber BDD, Selenium WebDriver, Capybara, Parallel_Test and Cucumber Report integrated into Jenkins.
- Set up a test lab for home automation IoT devices such as motion sensors, light bulbs, flood sensors, dimmers and switches.
- Performed testing of home automation devices against Android and iOS devices to ensure core functionality is working that allowed final off site certification to be seamless.
- Ensure all testing related activities for IoT devices are completed on time for the certification process.
- Updated device type handle files, DTH files, with IoT device fingerprints which allowed for prompt testing that minimized developer time.
- Performed side loading of applications on mobile devices that allowed testing of different versions of the mobile app.
- Logged defects found during testing in Jira that allowed the Delivery Manager to correctly prioritize the defects to the delivery team to address.
- Performed testing of cloud to cloud integrations with Netatmo.
- Continuous learning of new tools such as Chef and AWS that allowed me to contribute to InSpec test coverage.

Client: ADT
- Developed test cases based on the Behavior Driven Development for the existing life safety system.
- Performed functional testing, regression testing and integration testing of all applications.
- Executed end to end testing against smart watches.
- Collaborated with developers to recreate defects and retest defects found.
- Responsible for tagging Production releases using GIT tagging.

QA Lead
Paragon IT Solutions - Des Moines, IA | October 2015 - March 2016
- Automated existing test cases for Outlook 2010 Public Folders using Ranorex.
- Acted as on-shore liaison for off-shore staff based in India for ITSM project where I helped in communicating project status and last minute critical testing before the project went live.

- Worked with a third-party vendor to go over defect fixes and status to ensure they got fixed correctly before the system went live to internal stakeholders.
- Mentored and guided off-shore staff on test automation best practices.
- Communicated project status to Lead QA of the IS Department.

Senior QA Engineer
Hearst Health Innovation Lab - San Francisco, Bay Area |Remote | March 2014 - September 2015
- Research and established test management system, Test Rails that was used to manage test cases and test executions.
- Designed test cases based on user stories for the new pharmacy application using the Cucumber BDD approach.
- Developed test automation using Ruby, Selenium WebDriver, Cucumber BDD and Capybara which was integrated into Sauce Labs for cross browser testing. This saw 100% automation coverage for the new pharmacy application.
- Presented the automation framework to the development team that allowed them to execute the automated tests as needed when needed.
- Took over the existing Oxygen XML Editor framework that allows Pharmacists to author XML content by fixing defects found by Pharmacists and added new minor functionality for example, labels or dropdown fields.
- Collaborated across the scrum team on user story acceptance criteria.
- Deployed code to lower environments using Ansible for exploratory testing.

QA Lead
InnerWorking - Chicago, IL | June 2012 - March 2014
- Performed functional testing, regression testing and integration testing of new e-commerce application with EPiServer backend.
- Worked with Product Owners to improve the acceptance criteria on user stories that led to better refinement sessions with the development team.
- Lead offshore QA Engineers on testing work by assigning out work, regression testing and conducting regular meetings to ensure they were equipped with the tools and information to see deliverables through.
- Developed regression test cases for the new e-commerce application using Microsoft Excel that was checked in TFS for versioning.
- Responsible for onboarding a new on-shore QA Engineer and mentoring on testing related activities.
- Created scripts using Web Deploy and batch files that deployed code out to lower environments (Development, QA and UAT).
- Communicated to VP of Software Engineering and Software Manager on Production release, blockers for releases and hiring of new resources both on-shore and offshore.
- Worked with Developers, UI/UX Engineers to recreate defects found and see through to resolution.
- Coordinating Production releases with System Administrators, Software Manager where I conducted smoke testing after Production deployment.

Senior QA Engineer
Arnold Media Consulting - Atlanta, GA | September 2011 - June 2012
- Using the in-house built automation framework based on Cucumber BDD, implemented test scripts for Single Sign On functionality for Sharecare.com and doctoroz.com that saw 100% test coverage.
- Used Browsermob to automate critical paths of the application.

- Collaborated with QA Architect on how the in-house built automation framework could be improved for example, making use of functions that could be called into test scripts.
- Worked on implementing test scripts for the in-house built content management system, CMS which saw test coverage increase.
- Worked alongside the QA Engineering team to standardize QA documentation using Confluence.
- Mentored and guided other QA Engineers on testing and test automation.
- Helped with testing and Production releases on other projects as directed by the QA Manager.

QA Engineer II
Chicago Tribune - Chicago, IL | September 2010 - June 2011
- Established a test automation strategy document was used to assess the need for automation on a given project.
- Increased test automation coverage for projects by developing test scripts within existing frameworks using Ruby and Selenium WebDriver.
- Lead a training class for all QA Engineers on Selenium WebDriver and automation best practices.
- Assigned a project to execute performance testing using JMeter for a Single HTTP Request to see failure points.

Software Testing Engineer
Centro - Chicago, IL | October 2009 - August 2010
- Developed test automation framework using Ruby, Watir framework that executed test scripts for core functionality against legacy advertising application.
- Performed functional testing, regression testing and smoke testing of legacy advertising applications.
- Responsible for testing activities during one week sprints with all scrum team members to deliver a new advertising application in time for a major conference.
- Implemented and executed test scripts using the Lebowski framework for the new advertising application which was based on Sproutcore framework.
- Work alongside the release coordinator on Production releases and hot-fixes deployments to Production, executed smoke testing after the Production deployment.

Automation Engineer
GeoLearning - West Des Moines, IA | February 2008 - October 2009
- Performed functional testing, regression testing exploratory testing and smoke testing of an online learning system that ensured all user stories were fully tested before each Production release.
- Responsible for smoke testing in Production after a major release to ensure core functionality is working before executing a large test.
- Worked alongside developers to recreate defects, retest defects before closing them out.
- Completed allocated work of testing and regression testing that was assigned out by the QA Lead.
- Increase knowledge of open source test automation tools by creating basic test scripts using Selenium IDE, BadBoy.
- Took over an off-shore developed test automation framework which involved executing and maintaining the test scripts.
- Communicated and collaborated with the SCM team when issues arise in deployments to lower environments.

EDUCATION
- Queen Mary University of London - https://www.qmul.ac.uk/
  - Bachelor of Science (BSc) Information Communication Technologies