Sajjad Hossain

(sah•jad ho•sein)

Tech
- Full-Stack Development
- End-to-End Automation
- Load, System, Unit Testing
- API Testing
- Debugging
- Documentation
- System Architecture
- Product Design

Design
- Adobe Products
- Figma, Visio, UML
- User Stories
- OpenSpec
- Atlassian Products
- Google, Microsoft, Linux, Apple Software
- JSON Schema
- MVP, MMP

Deployment
- Docker, Vagrant
- PubSub, DBT
- Git, GitLab, Azure
- AWS, Make
- Circle, Travis, Jenkins
- SQL, noSQL, graphQL
- Node, React, Storybook
- Selenium, Cypress, Mocha

Airtable

Senior Software Development Engineer Test   *'22 to Present*

- Triage all known bugs, improvements, features, releases, test plans and test cases for the Use Cases team
- Identify and map coverage for 85 Features/Projects, a total of 1,214 test files using 6 different frameworks to an interface using Airtable
- Automate 400+ TestRail manual test cases by consolidating test scripts and scripting holistically, reducing manual testing by 20% in a single quarter.
- Diagram over 20 internal processes from SDLC in the Use Cases team to Deployment Pipelines for all of Airtable.
- Serve on-call for Pager Duty, Releases and Escalations
- Report and improve metrics dashboard for Hotfixes, Bugs Escaped, Issues Discovered and Feature/Projects states with our Project Bug 360 interface in Airtable
- Pilot Programs, Requests for Comments and Proof of Concepts as a lead for 4 Pods (teams with specific feature escalations)
- Manually test components, extensions, third party integrations like Adobe, Workday, Slack and Github
- Unify all test methodology for the Use Cases team and external vendor resources.

OpenFin

Senior Software Development Engineer Test   *'21 to '22*

- Documented and prioritized all known test cases for OpenFin applications and services used by Barclay's, Wells Fargo and TD Ameritrade, and automated test cycles for client releases with TestRails.
- Automated tests from backlog and new features buckets with Selenium in Java and .NET.
- Implemented Test Reporting and Sprint Cadences with the QA Team.
- Familiarized QA Team with development details to better understand and define our acceptance criteria.
- Scripted performance tests with POSTMAN and JMeter.
- Consulted developers and project people as a QA resource on multiple business teams in a variety of verticals.

MakeSpace

Senior Software Development Engineer Test   *'19 to '21*

- Implemented and designed an inaugural Release Candidate process for 3 micro-services, 3 iOS applications and 1 monolithic Django web application, reported automated and manual tests executed using TestRail and Slack in Cucumber features.

- Adopted and enforced the Test Pyramid approach to holistically create, script and execute test cases for our applications in-order-of-priority, providing test coverage via unit, component, API, End-to-End and manual test cases.
- Engineered the first-ever well-documented and reliable test framework using CypressIO and a page-object approach, Screenplay, integrated with Clubhouse sprints and issues, TestRail test runs, Jenkins jobs and Docker containers, called SILVER SCREEN in TypeScript.
- Documented all known applications' and micro-services.' test cases, critical paths, known bugs, release and deployment processes, onboarding procedures pipelines and entity relations, including the MakeSpace iOS application and the website.
- Automated 100% of all Smoke Tests and, 62% of all Regression Test Cases.

IPG Mediabrands
Lead Software Development Engineer Test   *'18 to '19*
- Developed a test plan generator using Node and confluence to create a wiki document that includes project and team overview, sprint deliverables, known bugs and all things pertaining to testing for sprint certification.
- Automated metrics gathering from JIRA, Splunk, Jenkins, and Confluence for sprint reports for stakeholder review with Node and Google Sheets, reviewed weekly by CTO and VP of Technology.
- Created a proprietary Sprint Retrospective tool using Node and Google Sheets that helped automate the sprint certification and retrospective processes.
- Integrated a baseline image comparison tool into the current Selenium test framework that allowed to focus WebDriver automation on usability, functional and user-acceptance testing.
- Designed test plans and strategies for user-acceptance, performance and sprint certification.
- Managed 4 agile teams in Medellin of 5 QA members each.
- Obtained deliverables from management in San Francisco and work with business team in Chicago and New York to define objectives for teams overseen.

Scholastic
Quality Engineering Lead   *'17 to '18*
- Analyze, profile, and retire 168 virtual machines on 28 terrestrial servers, 6 of which hosted Scholastic GO!, a multi-million dollar revenue generating legacy application currently used in over 50 countries.
- Migrate 5 Content & Delivery virtual machines running legacy Perl, PHP, and Python (c. 1998) applications and scripts to AMI instances.
- Document and execute migration plans, business impact analyses, test plans, operational guides, and rollback strategies.
- Report release callouts, updates, heat-maps, risks, dependencies, budget, operations, and run-rates with chief and director level executives on a monthly basis.
- Supervise quality and performance engineering resources, expectations and deliverables for Digital Application & Services projects through JIRA, Confluence, Innotas, Workday and Outlook, both off-shore and on-shore.
- Create roadmaps with epics, stories and developed in an ATDD environment with acceptance criteria and definition of done.

FeVo
Automation Engineer   *'16 to '17*
- Built a robust test framework using NodeJS, WebDriverIO, Mocha, Chai, Selenium, Appium and Browserstack.
- Architected deployment, tagging and releasing practices team-wide, using Docker, Drone with AWS.
- Debugged API, server and service logs from LogEntries and RollBar, determined root causes with leads. Triaged issues or improvement requests in Trello.

- Distributed DevOps & Automation knowledge for aforementioned framework to developers, business development and client services writing their own tests.

Adcade

Automation Engineer   *'14 to '16*
- Created customized, versatile and maintainable frameworks to test components, applications and API's.
- Scripted tests that evaluated HTML Canvas ad units generated by Epoch™, the highly-anticipated interactive development environment, that helps developers and designers alike to deploy integrated bundles to an ad server.
- Built a JavaScript framework that can be used to create and execute robust user-acceptance & end-to-end tests against Epoch™, using Webdriverio, a JavaScript Selenium binding.
- Mastered Docker/Vagrant, Jenkins/Travis, Mocha, Chai, Jasmine, Node and more by creating this framework, which includes reporting, continuous integration and a dashboard for the business and engineering team.

Amplify Education

Automation Engineer   *'13 to '14*
- Supervised & assisted in Amplify's initial customer-facing release to 12 districts across the U.S. Analyzed and revisited use cases, code and data to improve the usability, functionality and responsiveness of our Curriculum Application, eBook Library, Games, Simulation, SSO & API.
- Improved Android and iOS provisioning process by 70%, through Apple Configurator, Automator & ADB scripting, while addressing security/PII concerns and corporate guidelines.
- Helped establish the Release Management Team, defining release, hot-fix, branching and versioning processes using Git, Jenkins and AWS Beanstalk.
- Scripted automation & manual tests for integration, security, API's, hot-fixes, Web Apps, Native Mobile Apps, Simulations & Games, using tools like Behat, SOASTA, Cucumber, LoadUI, JMeter & Selenium.
- Defined UAT/E2E practices. Built and maintained frameworks for automation testing, including environment configurations, provisioning processed, code promotion & issue triaging.
- Lead knowledge transfer sessions with QA Engineers and developers on topics like Behat, SauceLabs, JMeter, Charles, Jasmine, Karma, Protractor and Jenkins.
- Queried and validated data using mySQL, SQL, PostgreSQL, noSQL & JSON (MongoDB, Node.js). Created SQL scripts against production environments to resolve dynamic errors that were "show-stoppers".
- Parsed Apache, CDN & RDS error logs for test data and reproducibility.

ComiXology Inc.

Quality Assurance Test Engineer   *'11 to '13*
- Managed requirements, development, test plan and submission of Comics to Windows 8, introducing our application to an uncharted platform.
- Produced automated test scripts that verify functional expectations for features using Behat & MonkeyTalk.
- Integrated automation suite with Jenkins. Established deployment procedures, Hot-Fix (code emergency) procedures, branching procedures, environments, and ticketing procedures.
- Developed test plans, test cases, user-stories and acceptance criteria for products, for the top-grossing and top-selling iOS App, Comics, Comics and Client Web and Mobile Apps, the highly-anticipated comiXology Submit platform.
- Improved areas like device management and load testing. Implemented JMeter on multiple EC2 instances to simulate virtual load for the International Web Store.
- Significantly improved White-Label product turnaround for Comics framework by documenting and automating feature acceptance criteria, smoke tests, unit tests, API tests and regression Tests.