

Md Zaman

Software Development Engineer in Test (SDET)

Contact

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Work Status

- US Citizen

Education

- National University of Bangladesh (Govt. Ananda Mohan College)
 - Bachelor's Degree, Chemistry
- National University of Bangladesh (Govt. Titumir College)
 - Master's Degree, Chemistry

Licenses & Certifications

-  **ASTQB-ISTQB®**
 - Advanced Test Automation Engineer (CTAL-TAE)
 - Advanced Test Manager (CTAL-TM)
 - AI Testing (CT-AI)
-  Professional Scrum Master I - Scrum.org
-  Certified SAFe® 4 Agilist - Scaled Agile, Inc.
-  CompTIA Security+
-  DHS Trusted Tester Program certification
-  **Tricentis Tosca**
- Test Architect for Tricentis Tosca (AS1, AS2, API Test, TDS1)

Volunteering

- Auxiliary NYPD (New York City Police Department) - Sep 2019 to Present.

Honors & Awards

-  Spot Award - Raytheon Technologies (YOU'RE BEING RECOGNIZED FOR: INNOVATION-Mar 2020)

Expertise in Tech Stack

Programing Language:

- Python, Java, Javascript, & C#.Net

Automation API & Tools:

Selenium, Gauge, CypressIO, Playwright, SpecFlow, RestSharp, CodedUI, WebDriverIO, Protractor, Xcode,

Appium, XCUITest, NightWatch, RestAssured, Cucumber, Gherkin, SuperTest, Katalon Studio, SauceLabe, BrowserStack, LamdaTest, Frisby, PyTest, ReadyAPI, Jupiter notebook, Maven, Gradle, npm, Git, GitHub, Bitbucket, Eclipse IntelliJ, SVN, Unix/Linux, CircleCI, Jenkins, Azure Service bus, EventHub(Event-driven microservices), Kafka, GraphQL, Axe, Pa11y, PowerBI, Tableau, SOAPUI & REST API, TMW, Tosca, Generative AI (ChatGPT), Prompt Engineering, AccelQ.

Manual & Process:

Agile-Scrum, Azure DevOps (ADO), JIRA, Xray, ALM, Rally, Zephyr, Adaptavist, ALM, SQL, Oracle, GraphQL, Swagger, Confluence, POSTMAN, Splunk, New Relic, SonarQube & CheckMarx, BigData, Figma, JSON, HTML, Immuta, AWS MySQL, PostgreSQL, Snowflake, DBEaver, PGAdmin, JMeter & Locust (Load & Stress test), Docker, WebRTC, FIX, REST, SauceLabe, BrowserStack, LamdaTest, Lighthouse, WAVE, JAWS, NVDA, PDF, ANDI, Wireshark, Ampliance, CommerceTool

Summary

Experienced IT leader with over 15 years of expertise in Quality Assurance discipline, specializing in software and hardware testing. Adept at managing cross-functional teams, driving innovation through Agile/Scrum methodologies, and delivering high-quality products within strict deadlines. Strong problem-solving and communication skills with a track record of leading large-scale projects and full-stack automation initiatives.

Key Highlights:

- ☑ Proven track record in mentoring QA Analysts and Technical Support Engineers.
- ☑ Extensive experience with Agile/Scrum, SAFe methodologies, Shift-left, & SDLC/STLC processes.
- ☑ Expert in full-stack automation, technical documentation, and hands-on coding.
- ☑ Adept at delivering presentations, ensuring compliance with public law, and maintaining relevance to business needs.
- ☑ Strong analytical, communication, problem-solving skills, and ensuring attention to detail & delivering exceptional customer service.

Domains & Platform

Banking, Finance, Trading, Ecommerce, Insurance, Health, Digital Media, Telecommunication, Blockchain, Aviation & Defense, Education, Logistics, CRM, CMS, Salesforce, Mainframe, Biocommerce, MuleSoft, Magento & Windows, macOS, Unix/Linux, Kubernetes, Salesforce.

Tech Lead, QA Engineer (SDET) - Global iTech Solutions (GITS) · Apr 2024 - Present

As a Software Development Test Specialist at GITS, I ensure precise product delivery for clients i.e. HD Supply. Collaborating with business and engineering teams, I continuously enhance end-to-end testing processes. Leading cross-functional teams, I establish quality standards, implement process changes, and introduce innovative testing methods. I partner with development leadership to define quality standards, assess improvement, and maintain a software scorecard.

Day to day oversaw:

I conduct hands-on regression testing and functional integration testing, leveraging automation scripts and CI/CD pipelines with Azure DevOps.

Day to day oversaw:

- Standardizing QA (Manual & Automation) best practices and Accessibility 508 Compliance Testing globally.
- Establishing automation coding standards and agile-scrum cross functional 3 amigo processes.
- Mentoring & demonstrating expertise in CypressIO, Playwright, covering UI, Middleware, API, Accessibility, and Visual Tests.
- Continuous implementing real-time quality assessment through a QA dashboard and metrics system.
- Optimized testing processes by migrating from Protractor to CypressIO to Playwright.
- Enhanced system performance by migrating RestAPI Endpoint to GraphQL API Endpoint leveraging ReadyAPI
- Leading mobile apps and Emulator testing using Appium (XCUITest).
- Continuously contributing to the Performance Testing, Security Test, and PenTest methodologies.
- Continuous improvement and deliver flawless results with unmatched speed and accuracy leveraging Generative AI.
- I led a proof of concept for Web, Mobile, API, GraphQL, Middleware, and Accessibility automation tests using Katalon Studio, Tricentis Tosca, Selenium, CypressIO, Playwright, optimizing testing processes across platforms emphasizing a low-code framework approach.

Tech Lead. QA Engineer (SDET) – American Airlines ← Insight - Nov 2022 – April 2024

The Payment Services application is a pivotal component of the Payment Modernization program, dedicated to processing Payment Authorization, Capture, Refund, and Cancel operations through the Adyen payment gateway. This application boasts real-time Authorization and Capture capabilities, catering to various payment methods with the added feature of 3D Secure (3DS) Payment, Notification, and Authorization Reversal Services. Moreover, it facilitates billing reconciliation by sending a batch billing confirmation file daily to the backend Credit Cards application. Crucially, the Payment Services application ensures secure data storage (non-PCI) in a transactional database within PostgreSQL.

Day to day oversaw:

- Within the AA Payment modernization team are marked by leadership and mentorship in Manual & Automation best practices, ADO Scorecard implementation, and framework establishment.
- Worked closely with the business groups, engineering organizations, software development teams, and operations teams to continually evaluate and improve the end-to-end software development in test processes, tools, and testing methodology used in a project.
- Developed Manual test, accessibility test, automation & performance test plan, test strategy boilerplate and leveraging across the modernization Program.
- Identified opportunities for innovation, reduced complexity, and proactive technical debt reduction in software development in the test process.
- Migrated NightwatchJS, Protractor to CypressIO to Playwright, Migrated RestAPI Endpoint to GraphQL API Endpoint.
- Hands on coding & created a list of boilerplate Architecture of UI, Middleware(Event-driven microservices) & API Framework leveraging Java, Cucumber, C#, Python and JavaScript, SoapUI, RestAPI to use centrally across the projects and leveraging cloud hosted service SauceLabs, BrowserStack, LambdaTest, AWS leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.

- Coached and mentored junior to mid-level team members on object-oriented programming principals and automation frameworks (Selenium, NightwatchJS, ProtractorJS, CypressIO, WebDriverIO, JavaScript ES6, Python & C#), best practices and standards. AccelQ on Salesforce application leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Leveraged Docker and containerization in test automation by encapsulating test environments, dependencies, and configurations within containers, ensuring consistent and reproducible testing environments across different platforms and reducing setup time and complexity.
- Hands-on creating pull requests leveraging Git, GitHub, SVN, ADO, Bitbucket, GitLab, and Unix/Linux basic commands to accomplish daily automation tasks.

Accomplishment:

- I engineered WebUI, RESTful API, GraphQL API & Mobile (iOS & Android) & Middleware (Event-driven microservices) automation framework leveraging Selenium, Cucumber, Cypress and Playwright for Web, API, POSTMAN, ReadyAPI, and configured CI/CD leveraging AWS, ADO, Jenkins, SonarQube and sharing expertise and mentoring teams across the Payment modernization program leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Furthermore, I played a pivotal role in implementing JMeter for performance testing and imparting knowledge to teams across the program, ensuring optimal system performance and reliability.
- Conducted thorough testing of ETL processes and databases using Python and PySpark, ensuring data integrity, accuracy, and reliability in data transformations and migrations.
- Tested on Manual & Automation Accessibility testing on Web, PDF leveraging ANDI, JAWS, NVDA, AXE, WAVE, PA11Y.
- Conducted security testing and penetration testing using SonarQube to assess and improve code security, identifying vulnerabilities and potential security risks in software applications.

Tech Lead QE - Raytheon Technologies (RTX) - Oct 2018 - Nov 2022

At Raytheon (RTX), we're working side-by-side with customers to unleash the exciting possibilities we see before us. With a comprehensive portfolio, extensive capabilities, and broad expertise, we're crafting intelligent solutions to meet the demands of a rapidly evolving global market, representing the best innovation and technology for our industries. We work with Commercial aviation, Business aviation, Military & Defense Aviation & Space.

Day to day oversaw:

- Oversaw leadership and mentorship within the Enterprise Digital Accelerators (EDX), implementing Manual & Automation best practices, ADO Scorecard, and establishing frameworks.
- Collaborated with various teams to assess and enhance end-to-end software development processes, tools, and methodologies continuously.
- Developed and implemented Manual, accessibility, automation, and performance testing strategies across the Enterprise Digital Accelerators (EDX).
- Identified and acted upon opportunities for innovation, simplification, and proactive reduction of technical debt in the test process.
- Managed the migration from NightwatchJS to Protractor to CypressIO to Playwright and RestAPI, GraphQL, streamlining processes and enhancing efficiency.
- Led the creation of boilerplate architectures for UI, Middleware (Event-driven microservices), and API frameworks, leveraging multiple programming languages (Cucumber, Java, C#, Python, JS) and cloud-based services like SauceLabs, BrowserStack, LambdaTest, and leveraging AWS, ADO, Jenkins, SonarQube leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Mentored junior to mid-level team members in object-oriented programming principles, automation frameworks, and Docker/containerization for test automation, ensuring standardized practices and knowledge sharing.
- Hands-on creating pull requests leveraging Git, GitHub, SVN, ADO, Bitbucket, GitLab, and Unix/Linux basic commands to accomplish daily automation tasks.

Technical Lead & Hands-on contributor on a project - Accomplishment:

- Sensitech STM Project (Hybrid Application) - Reliability (Prism) Project (Web Application) - FPO (Flight Optimization Profile) - Rotor Design System (CSS Framework) - XetaCloud (Portal - DataPlatform) - Digital Twin (Portal), SAP Migration & QA Metrics Dashboard.

- Automated from the scratch to advance level framework for the above microservice application leveraging Cucumber, Selenium, Protractor, CypressIO, Playwright, AXE, Pa11y, ReadyAPI, POSTMAN, Swagger, Javascript, Java, TestNG, Maven, Python, PyTest, JMeter, Locust, Appium (XCUI Test) and leveraging cloud hosted service SauceLabs, BrowserStack & LambdaTest, AWS, Azure DevOps (ADO), NightwatchJS, Accessibility 508 compliance testing, SoapUI & Restful API and Integrated with , leveraging AWS, ADO leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Across EDX - Set up SQA (Manual & Automation) Standards & Best Practices.
- Across EDX - Set up UI, Middleware(Event-driven microservices) & API's Multi Automation Framework boilerplate architecture.
- Conducted thorough testing of ETL processes and databases using Python and PySpark, ensuring data integrity, accuracy, and reliability in data transformations and migrations.
- Performed manual accessibility testing on Web, PDF leveraging ANDI, JAWS, NVDA, AXE, WAVE, and automate them leveraging AXE & PA11Y.
- Coached and mentored junior to mid-level team members across the other projects, hands-on object-oriented programming principals and automation frameworks (Selenium, NightwatchJS, ProtractorJS, CypressIO, WebDriverIO, JavaScript ES6, Python & C#), best practices and standards. AccelQ on Salesforce application.

Lead Software Engineer in Test (Web, iOS & Android) - Bank of America Merrill Lynch - May 2018 - Oct 2018

It provides services in mergers and acquisitions, equity and debt capital markets, lending, trading, risk management, research, and liquidity and payments management. Internal Portal merger management microservice application

Day to day oversaw:

- Worked closely with the business groups, engineering organizations, software development teams, and operations teams to continually evaluate and improve the end-to-end software development in test processes, tools, and testing methodology used in a project.
- Developed Manual test plan, accessibility test plan, automation & performance test plan, test strategy boilerplate and leveraging industry best practice & standards.
- Hands-on creating pull requests leveraging Git, GitHub, SVN, ADO, Bitbucket, GitLab, and Unix/Linux basic commands to accomplish daily automation tasks.

Technical Lead & Hands-on contributor on a project - Accomplishment:

- Took initiative to Enhancement on the agile scrum 3 amigo process & documentation.
- Automated mobile (iOS, Android) and Web microservice application leveraging Cucumber, Java, Selenium, XCUI Test, Android Studio, TestNG, Maven, AXE, SoapUI & Restful API, GraphQL, Allure Report from the scratch & integrated with CI/CD and leveraging cloud hosted service ADO, AWS, Jenkins, SonarQube and SauceLabs leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Conducted thorough testing of ETL processes and databases using Python and PySpark, ensuring data integrity accuracy, and reliability in data transformations and migrations.
- Performed manual accessibility testing on Web, PDF leveraging ANDI, JAWS, NVDA, AXE, WAVE, and automate them leveraging AXE & PA11Y.
- Automated internal web application leveraging CypressIO, JS, Allure Report, leveraging POM, Data Driven concept etc. and integrated with Circle CI, Docker Container and AWS (S3) leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.

Sr. DevOps/Automation Engineer - Hearst Magazines - Oct 2017 - Apr 2018

Hearst Digital Media (micro service application), a unit of Hearst Magazines, is dedicated to creating and implementing the digital strategy for Hearst's magazine brands and other sites, which serve the company's consumer audience. Hearst Digital Media oversees 30 websites that cover fashion, beauty, home design, food, family, automotive, men's and personal service.

Day to day oversaw:

- Worked closely with the business groups, engineering organizations, software development teams, and operations teams to continually evaluate and improve the end-to-end software development in test processes, tools, and testing methodology used in a project.
- Developed Manual test plan, accessibility test plan, automation & performance test plan, test strategy boilerplate and leveraging industry best practice & standards.

Technical Lead & Hands-on contributor on a project » Accomplishment:

- Automated multiple application leveraging existing NightwatchJS & Protractor framework, optimized leveraging best practice and standards dry and kiss principle.
- Migrated NightwatchJS & Protractor framework to CypressIO framework leveraging, Page Object Model, Data & Keyword driven concept, SuperTest (Restful Api), GraphQL, & Integrated with CI/CD pipeline leveraging AWS, ADO, Jenkins, SonarQube leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Conducted thorough testing of ETL processes and databases using Python and PySpark, ensuring data integrity, accuracy, and reliability in data transformations and migrations.
- Tested Manually on Web, PDF leveraging ANDI, JAWS, NVDA, AXE, WAVE, and automate them leveraging AXE & PA11Y.
- Utilize Docker for test automation to ensure consistent testing environments, manage dependencies effectively, and streamline continuous integration processes for efficient testing workflows.
- Conducted Manual Testing on RESTful API endpoints leveraging POSTMAN, Swagger & ReadyAPI and then automated them leveraging RestAssured & SuperTest.
- Hands-on creating pull requests leveraging Git, GitHub, SVN, ADO, Bitbucket, GitLab, and Unix/Linux basic commands to accomplish daily automation tasks.

Lead, Software Engineer – Test – JCDecaux - Mar 2017 - Oct 2017

Billing management (BillIT) & Posting Management (PostIT) microservice application.

Day to day oversaw:

- Worked closely with the business groups, engineering organizations, software development teams, and operations teams to continually evaluate and improve the end-to-end software development in test processes, tools, and testing methodology used in a project.
- Developed Manual test plan, accessibility test plan, automation & performance test plan, test strategy boilerplate and leveraging industry best practice & standards.

Technical Lead & Hands-on contributor on a project » Accomplishment:

- Automated both application leveraging NightwatchJS & Protractor from the scratch & integrated with CI/CD.
- Automated API's endpoint leveraging RestAssured SuperTest (Restful API) & GraphQL API endpoint from the scratch & integrated with CI/CD AWS, ADO Pipeline, Jenkins, SonarQube leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Performed manual accessibility testing on web and PDF files using assistive technologies such as JAWS and NVDA, along with tools like ANDI, AXE, WAVE, and PA11Y.
- Automated accessibility testing using AXE and PA11Y to streamline and enhance the testing process for web applications and documents.
- Utilize Docker for test automation to ensure consistent testing environments, manage dependencies effectively, and streamline continuous integration processes for efficient testing workflows.
- Conducted Manual Testing on RESTful API endpoints leveraging POSTMAN, Swagger & ReadyAPI and then automated them leveraging RestAssured & SuperTest.
- Hands-on creating pull requests leveraging Git, GitHub, SVN, ADO, Bitbucket, GitLab, and Unix/Linux basic commands to accomplish daily automation tasks.

Lead, Software Engineer – Test | Cloud9 Technologies |Jul 2016 - Mar 2017

Trading c9 cloud platform (Desktop and Web) microservice application

Day to day oversaw:

- Worked closely with the business groups, engineering organizations, software development teams, and operations teams to continually evaluate and improve the end-to-end software development in test processes, tools, and testing methodology used in a project.
- Developed Manual test plan, accessibility test plan, automation & performance test plan, test strategy boilerplate and leveraging industry best practice & standards.

Technical Lead & Hands-on contributor on a project » Accomplishment:

- Automated desktop c9 application leveraging C#.Net, NUnit from the scratch & integrated with CI/CD.

- Automated web c9 application (user management and support) leveraging NightwatchJS, Protractor from the scratch, SuperTest (Restful API) integrated with CI/CD AWS, ADO, Jenkins, SonarQube leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Performed manual accessibility testing on web and PDF files using assistive technologies such as ANDI, JAWS and NVDA, along with tools like AXE, WAVE, and PA11Y.
- Automated accessibility testing using AXE and PA11Y to streamline and enhance the testing process for web applications and documents.
- Utilize Docker for test automation to ensure consistent testing environments, manage dependencies effectively, and streamline continuous integration processes for efficient testing workflows.
- Conducted Manual Testing on RESTful API endpoints leveraging POSTMAN, Swagger & ReadyAPI and then automated them leveraging C#. NUnit & SuperTest.
- Hands-on creating pull requests leveraging Git, GitHub, SVN, ADO, Bitbucket, GitLab, and Unix/Linux basic commands to accomplish daily automation tasks.

Lead Automation Eng. (Application System Eng.-ASE6) | Wells Fargo | Nov 2015 - Jul 2016

Customer Information View (CIV) & Contact center microservice application

Day to day oversaw:

- Worked closely with the business groups, engineering organizations, software development teams, and operations teams to continually evaluate and improve the end-to-end software development in test processes, tools, and testing methodology used in a project.
- Developed Manual test plan, accessibility test plan, automation & performance test plan, test strategy boilerplate and leveraging industry best practice & standards.

Technical Lead & Hands-on contributor on a project » Accomplishment:

- Enhanced (Optimized) Selenium, Cucumber, Java TestNG existing framework, by applying best practice & standards.
- Automated contact center Master call flow with Empirix & Cyara leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Took initiative on the Edge to CIV STM project & developed a new framework RestAssured from the scratch, POSTMAN, Swagger, ReadyAPI, SoapUI & Restful (API), integrated in CI/CD AWS, ADO, Jenkins, SonarQube and leveraging cloud hosted service SauceLabs.
- Manually tested RESTful API endpoints leveraging POSTMAN, Swagger & ReadyAPI and then automated them leveraging RestAssured & SuperTest.
- Performed manual accessibility testing on web and PDF files using assistive technologies such as ANDI, JAWS and NVDA, along with tools like AXE, WAVE, and PA11Y.
- Automated accessibility testing using AXE and PA11Y to streamline and enhance the testing process for web applications and documents.

Software Development Engineer in Test (ITS3) | Washington State Department of Social and Health Services, Children administration (CAT's) | Jan 2015 - Nov 2015

DCYF is the lead agency for state-funded services that support children and families to build resilience and health, and to improve educational outcomes. Internal FamLink application and other CATS applications and platforms. be the sole case management automation tool used by the public and private caseworkers so that SACWIS holds a state's "official case record" - a complete, current, accurate, and unified case management history on all children and families served by the Title IV-B/IV-E state agency.

Day to day oversaw:

- Worked closely with the business groups, engineering organizations, software development teams, and operations teams to continually evaluate and improve the end-to-end software development in test processes, tools, and testing methodology used in a project.
- Developed Manual test plan, accessibility test plan, automation & performance test plan, test strategy boilerplate and leveraging industry best practice & standards.
- Hands-on creating pull requests leveraging Git, GitHub, SVN, ADO, Bitbucket, GitLab, and Unix/Linux basic commands to accomplish daily automation tasks.

Technical Lead & Hands-on contributor on a project » Accomplishment:

- Automated end to end cases management and history-based CAT's application (Web and Desktop) leveraging Java, C#.Net, Selenium, Cucumber, XCUITest, Android Studio, CodedUI, JMeter, SQL & integrated with CI/CD ADO, Jenkins, SonarQube leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Manually tested RESTful API endpoints leveraging POSTMAN, Swagger & ReadyAPI and then automated them leveraging C# NUnit.
- Performed manual accessibility testing on web and PDF files using assistive technologies such as ANDI, JAWS and NVDA, along with tools like AXE, WAVE, and PA11Y.
- Automated accessibility testing using AXE and PA11Y to streamline and enhance the testing process for web applications and documents.

Sr. Test Engineer | AT&T | Jun 2014 - Dec 2014

Sales, Service & Support a unit of ATT web domain.

Day to day oversaw:

- Worked closely with the business groups, engineering organizations, software development teams, and operations teams to continually evaluate and improve the end-to-end software development in test processes, tools, and testing methodology used in a project.
- Developed Manual test plan, accessibility test plan, automation & performance test plan, test strategy boilerplate and leveraging industry best practice & standards.

Technical Lead & Hands-on contributor on a project • Accomplishment:

- Developed a performance framework leveraging Keynote & JMeter and was monitoring using Dynatrace.
- I was designing (detailed design), estimated, developed, and performed code reviews, created-test plans, test cases, implemented test automation leveraging Java, Cucumber, Selenium (API), TestNG, Maven leveraging IDE VS Code, PyCharm, Eclipse & IntelliJ.
- Tested Manually on Web, PDF leveraging ANDI, JAWS, NVDA, AXE, WAVE, and automate them leveraging AXE & PA11Y.
- Manually tested RESTful API endpoints leveraging POSTMAN, Swagger & ReadyAPI and then automated them leveraging Java, RestAssured.
- Hands-on creating pull requests leveraging Git, GitHub, and Unix/Linux basic commands to accomplish daily automation tasks.

IT Specialist/BSSO | BRAC Bank| Feb 2008 - Jun 2011

I worked with financial domains and web-based applications. I was responsible for Manual and Automation tests both but I especially, Designed, Developed and Maintain the automation code. Analyzed the software requirements, wrote functional test cases, created test data, and performed functional tests, smoke tests, accessibility test, regression tests, and UAT tests to the functionality of the application and modules. I developed SQL queries to perform backend testing of the database. Building test automation suites for the application using Selenium (API), Hands-on SDLC (System Development Life Cycle) experience

Technology being used I have worked in waterfall software development methodologies (waterfall) • Application development, and implementation. Working with Continuous Regression Testing methodology • Selenium (API) Development, Eclipse • Java/JavaScript Development • Junit ((Java Framework) • data-driven framework development • Integration Testing, smoke test, Functional test, Regression test • UI Test Automation • Manual Test • Application Deployment, AXE, Pa11y, Lighthouse, Screen Readers, Web Accessibility Evaluation Tools.

- Performed manual accessibility testing on web and PDF files using assistive technologies such as JAWS and NVDA, along with tools like ANDI, AXE, WAVE, and PA11Y.
- Automated accessibility testing using AXE and PA11Y to streamline and enhance the testing process for web applications and documents.
- Hands-on creating pull requests leveraging Git, GitHub, and Unix/Linux basic commands to accomplish daily automation tasks.