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| Kumar S. || [kumardevs2015@gmail.com](mailto:kumardevs2015@gmail.com) || ***(551) 261-5467* ||** Irving, TX  **QA Automation Engineer | Web, Mobile, Services Automation | Regression Testing Strategies**  **Bachelor's Computer Engineering from Tribhuvan University, 2013.** |

# Summary

Detail-oriented QA Automation Engineer with 10+ years of experience in designing, developing, and executing automated and manual tests for Web, Mobile, and API platforms. Expertise in creating test strategies, regression suites, and service-based automation frameworks in Agile environments. Proficient with tools such as Selenium WebDriver, TestNG, Appium, SmartBear, TestRail, SQL, and API testing tools. Skilled in improving application reliability through automation, risk-based testing, defect tracking, and process optimization.

# Skills & Abilities

Selenium WebDriver | Appium | Playwright | TOSCA |Cucumber (BDD) | TestNG | Junit | SmartBear | Cypress | TestRail | JIRA | ALM | Java | JavaScript | SQL | Postman | REST-Assured | SOAPUI | Maven | Jenkins | Git | Oracle | MySQL | SQL Server

# Projects Remote

## Senior Lead developer | Boeing | Aerospace company | Apr 2021 – Present

## As a Sr. Lead Developer at Boeing, lead a team in designing and developing critical aviation software solutions, focusing on high-performance applications to manage complex data and operational workflows. Ensured seamless integration with Boeing's global systems while optimizing performance, reliability, and scalability. Drove system efficiency and aligned development efforts with business objectives, delivering impactful solutions on time.

* Led automation design for service-based and UI components of critical aviation applications, focusing on high-performance data workflows and seamless system integrations.
* Led the automation strategy and execution for React-based web applications using Playwright, ensuring scalable and maintainable end-to-end test coverage. Spearheaded mobile automation efforts for React Native applications on iOS and Android platforms utilizing Detox, enhancing cross-platform testing reliability.
* Spearheaded mobile automation efforts for React Native applications on iOS and Android platforms utilizing Detox, enhancing cross-platform testing reliability. Designed and implemented CI/CD-compatible automated test suites to support multiple daily deployments, maintaining quality with Continuous Integration/Deployment pipelines.
* Collaborated with developers, product managers, and QA engineers to define test strategies and acceptance criteria based on TDD and BDD principles. Conducted comprehensive code reviews, focusing on TypeScript automation scripts to ensure efficiency, readability, and maintainability.
* Mentored and guided junior and mid-level engineers on automation frameworks and best practices across Playwright and Detox, fostering a culture of quality engineering. Utilized BrowserStack for cross-browser and device compatibility testing, expanding test coverage to diverse user environments.
* Drove Kanban-based project management using YouTrack, prioritizing automation deliverables and tracking progress across QA initiatives.
* Developed Selenium WebDriver and TestNG-based regression test suites, ensuring coverage of business-critical functions and reducing manual testing efforts by 60%.
* Collaborated with SAP upgrade teams to identify automation opportunities in transaction workflows and backend services, implementing service-level automation using REST-Assured.
* Executed backend data validations using complex SQL queries on Oracle databases, ensuring data accuracy across integrated systems.
* Integrated automation frameworks with Jenkins CI/CD pipelines for continuous validation and faster feedback cycles.
* Conducted defect tracking, root cause analysis, and issue resolution using JIRA, improving defect leakage rate by 30%.
* Defined risk-based testing approaches for proprietary applications like Quipware (VP.net services-based), establishing test coverage for core service interactions.

## Lead dEVELOPER | Mastery Logistics | Carriers and logistics service providers |Chicago, IL | OCT 2019 – Mar 2021

At Mastery Logistics, lead the development and implementation of a scalable logistics management platform, overseeing a team of developers to ensure successful delivery. Optimized backend processes and integrated APIs to enhance and streamline supply chain operations. Focused on improving system efficiency, scalability, and aligning development with business objectives, resulting in more efficient logistics operations.

* Automated functional, UI, and API tests for scalable logistics systems, reducing manual regression efforts by 50%.
* Developed and maintained end-to-end web automation using Playwright for high-traffic React web applications, increasing regression test reliability and reducing manual effort. Automated functional and smoke tests for React Native mobile applications leveraging Detox, covering critical iOS and Android user flows.
* Integrated automated test suites with CI/CD pipelines, ensuring smooth execution during daily build and deployment cycles. Applied TDD and BDD frameworks to define and verify application behaviors in collaboration with developers and stakeholders.
* Implemented device testing strategies through BrowserStack to verify functionality across multiple browsers and OS versions. Regularly participated in technical discussions, contributing insights on TypeScript improvements for test code quality.
* Collaborated in an Agile/Kanban environment with YouTrack to manage tasks, sprints, and release cycles effectively.
* Designed and maintained Appium-based mobile automation scripts for Android and iOS platforms used by logistics technicians.
* Executed comprehensive integration testing across microservices, ensuring system reliability and scalability for carrier services.
* Applied risk-based prioritization to create focused regression test strategies across web and mobile platforms, increasing defect discovery during early development phases.
* Collaborated with developers to resolve backend API issues, leveraging REST-Assured for validation and database checks via SQL Server.
* Enhanced automation framework modularity and reusability, reducing maintenance efforts by 30%.
* Reported and tracked defects in TestRail and JIRA, ensuring visibility and traceability throughout the test lifecycle.

## Software Developer| Cardinal Health | Health care company |Dublin, OH | Aug 2017 –Sep 2019

As a Software Developer at Cardinal Health, contributed to the design and development of a robust inventory management system. Focused system performance, integrating real-time data processing, communication between distributed services.

* Developed end-to-end automation suites for SAP-integrated inventory management applications, targeting both UI and service layers.
* Conducted backend validation and data integrity checks using Oracle PL/SQL scripts to ensure consistency between SAP and proprietary databases.
* Built automation frameworks for React-based web platforms using Playwright, ensuring comprehensive E2E test coverage for major features and integrations.
* Created reusable Detox scripts for React Native applications, streamlining mobile app validation processes across various devices. Set up and maintained CI/CD pipelines for automation suites, supporting frequent deployment releases without compromising test reliability.
* Collaborated closely with developers on TypeScript code to improve testability and enhance automation compatibility. Used BrowserStack for real-time testing across various browser and device configurations. Followed BDD approaches to craft test scenarios that aligned closely with business requirements and user expectations.
* Implemented functional and smoke test cases for mobile platforms using Appium, ensuring compatibility across tablet and handheld devices used in warehouses.
* Created regression packs focusing on high-risk business transactions to reduce post-release defects in production.
* Participated in Agile ceremonies, providing estimations and test strategies aligned with Sprint goals.
* Leveraged SmartBear and Postman for API-level testing and performance validations.

## Software Developer | Zapier | Software company |Sunnyvale, CA | Feb 2015 – Jul 2017

As a Software Developer at Zapier, contributed to the design and development of scalable backend systems that integrated various third-party applications. Focused on optimizing API performance, building robust microservices, and ensuring seamless data flow between platforms.

* Executed functional, ad-hoc, and exploratory testing for Zapier’s web platform and third-party service connectors.
* Authored reusable Selenium and TestNG scripts for automation of user workflows, improving UI test coverage.
* Validated backend data flows across MySQL databases and ensured API stability via Postman and SoapUI testing tools.
* Participated in defect triage and resolution process, tracking issues in JIRA and contributing to Sprint retrospectives to improve test effectiveness.
* Developed SQL queries to validate integration of customer data between Zapier connectors and partner applications.

# Key Achievements

**Technical Expertise and Innovation:** Lead the design and implementation of a scalable logistics management platform, resulting in a 20% increase in operational efficiency and a 30% reduction in development time. Spearheaded the adoption of microservices architecture, enhancing system flexibility and responsiveness.

**Team Leadership and Collaboration:** Successfully managed and mentored a team of 10 software engineers, fostering a collaborative environment that ensured project goals were met on time. This leadership resulted in a 25% improvement in system performance and maintained high standards of code quality throughout the development process.

**Problem-Solving and Adaptability:** Effectively navigated complex integration challenges with legacy systems by employing a hybrid approach, ensuring seamless communication and data flow between modern and traditional platforms. Demonstrated agility in adapting to changing requirements and delivering innovative solutions.