Cedrick Johnson

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Summary

Versatile Senior Quality Engineer and Technical Systems Specialist with over 10 years of experience in test automation, data validation, and environment management. Proven track record of architecting automated testing solutions for cloud-native platforms (AWS, Snowflake) and providing complex technical support for independent clients. Returning to the workforce following a planned career sabbatical for family caregiving, bringing a renewed perspective, sharpened problem-solving skills, and a commitment to software reliability and user satisfaction.

Experience

Acquia   Remote & Madison, WI
Quality Engineer   *04/2022 - 12/2023*

- Spearheaded the automation of UI testing (using **Playwright**) for a new analytics front-end, initially using **Cumul.io** & later transitioning to an in-house UI solution (**Highcharts**). Ensured compliance with accessibility standards, utilizing **Applitools** & **Axe**. Delivered actionable insights that contributed to products reaching **WCAG 2.1** goals.
- Partnered with UX teams to conduct comprehensive **VPAT** (Accessibility) audits and responsive testing across browsers and mobile devices (iOS/Android).
- Created automated tests using **Playwright** to maintain pixel perfect design and functionality alignment for the Uploader module.
- Deployed and managed test environments on **AWS**, leveraging infrastructure as code for repeatable, scalable QA environments.
- Conducted thorough unit-level testing on Acquia's immersive analytics platform, ensuring the seamless ingestion, processing, and storage of data into **Snowflake**.
- Tested and optimized data retrieval/caching via **Cube** to ensure that customers with large datasets experienced minimal latency.
- Designed and executed manual tests for database migrations within the Product Information Management (PIM) module. Monitored & analyzed metrics to verify API performance enhancements within PIM.

Johnson Radio Technologies, LLC
Principal Technical Consultant   *08/2020 - Present*

- Architect and deploy complex remote operation solutions, integrating legacy radio hardware with modern control software (*FlexRadio, ICOM RS-BA*) to ensure seamless station automation and low-latency performance.
- Deliver high level technical support, diagnosing and resolving intermittent hardware/software conflicts in real-time to minimize system downtime for mission-critical setups.
- Develop custom scripts and logic flows (using Node-RED) to automate antenna switching and logging processes, reducing manual operator error and increasing station efficiency.
- Conduct remote performance tuning and interference mitigation analysis, tailoring configurations to specific client environments and network constraints.
- Author comprehensive technical documentation and user guides to empower clients to independently manage their systems, resulting in a 97% client retention rate.

GPShopper / Synchrony Financial   Chicago
Senior QA Engineer   *07/2018 - 02/2020*

- Tested mobile applications (iOS/Android) using different physical devices/emulators.
- Led the implementation of the in-house Appium mobile test platform for cross-platform applications (Android/iOS), using **Selenium** (Java) to automate mobile testing.
- Integrated and managed the **TestRail** test management system, standardizing test case organization and automated metric reporting across the team.
- Established foundational QA processes for a newly formed team, providing technical guidance across unit, functional, and integration testing levels.
- Developed real-time alerting and monitoring systems to rapidly diagnose and troubleshoot failures related to external third-party vendor APIs.
- Managed and maintained CI pipeline operations in **ConcourseCI**, ensuring reliable automated builds and testing for both mobile and web applications.

Uptake   **Chicago**

QA Engineer (QA Infrastructure)   *06/2017 - 01/2018*

- Refactored a legacy suite of Selenium tests (approximately 270) to use updated page objects and vastly simplify test readability and maintainability.
- Eliminated inefficient data setup and teardown methods to yield average test execution from **2 minutes** to **30 seconds** and improve test instability.
- Onboarded teams to use Jenkins pipelines to execute tests, code coverage metrics (**Sonarqube**) and automatically report status of pipeline runs via various channels.
- Worked to refactor the Jenkins pipeline codebase to give users of pipelines accurate, helpful error messaging when builds could not complete successfully.

Convergex, LLC   **Chicago**

QA Engineer   *01/2016 - 02/2017*

- Implemented test environment infrastructure - Jenkins, Git (Github/Gitlab).
- Drove the reduction of regression test times from **2 weeks** to **2 days** through automation and real-time reporting of metrics.
- Performed manual and automated test coverage of GUI and API based high availability trading applications and algorithmic routing engines.
- Streamlined manual testing workflows and enhanced reporting accuracy by centralizing test cases and results in **TestRail**.

Enova International   **Chicago**

QA Engineer   *08/2014 - 12/2015*

- Led testing of the re-implementation of a popular loan product that directly contributed to a marked improvement in the UK loan revenue stream, with no issues upon launch.
- Created and maintained Rspec, Cucumber test automation scripts and suggested/implemented new test frameworks and continued to evolve testing best practices.
- Performed load testing on several new Ruby On Rails projects to identify performance bottlenecks and suggest improvements.

Backstop Solutions Group, LLC   **Chicago**

QA Engineer   *08/2011 - 08/2014*

- Led testing of C# applications (both manual and automated): Excel plugin (Statistics, Reporting and Custom tear sheet creation), Outlook plugin and SQL Server Reporting Services (SSRS).
- Led testing of the new Analytics platform written using the R statistics language and powered by Ruby On Rails. This engine is approximately 90%-95% covered in automated tests (Ruby, rspec)
- Performed load testing of the Analytics (R) platform and various API-level interfaces using Apache JMeter.
- Involved in setting up and maintaining Jenkins build jobs and test-related infrastructure.

Skills

Automation: Playwright, Cypress, Appium, Selenium, Rspec, Cucumber, JMeter, JUnit/NUnit, TestRail

Languages & Data: Typescript, Ruby, C#, R, Java, Python, SQL (Postgres, MySQL, SQL Server, Oracle), Snowflake/Snowplow, LaTeX

CI/CD & Infrastructure: Jenkins, ConcourseCI, Git, Docker, SonarQube, CI/CD pipelines, Monitoring, Scripting (Bash, Python)

Cloud Platforms: AWS (EC2, S3), Snowflake, Snowplow, Cube

Specialized QA: Accessibility Testing (Axe, WCAG 2.1), Visual Regression, VPAT Audits, A/B Testing

Radio/Systems Tech: FlexRadio Signature Series, Icom, Elecraft, MicroHam Devices, SPE Expert Amplifiers, Node-Red, Antenna Design, Interstation Interference Mitigation

Financial Markets: Listed Options, Equities, Government Bonds, Corporate Bonds, Forex, Swaps, Credit Derivatives (CDS)

Open Source: Creator of R package *datawrapper*, contributed patches to *Quantmod*, **Expert Group Member**, Community Process: JSR 91: Telecom Trouble Ticket API Specification