
Binaya Babu Luitel

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QA Engineer / QA Automation Engineer

PROFESSIONAL SUMMARY:

- AWS certified Software Engineer along with QA Engineer(Automation + Manual) and Performance Testing Engineer skills, DevOps and Site Reliability Engineer.
- Experienced in Waterfall as well as Agile methodologies (Kanban and Scrum).
- Extensively worked on migrating on premise data and applications to cloud based environments (Amazon Web Services).
- Experienced with testing applications in an Amazon Web Services environment
- Worked on design discussion, requirement gathering, test planning, test cases development, test environment setup, test execution and capture test results.
- Setup test automation framework setup from scratch for both UI and API.
- Experience with integration testing, regression testing, end to end testing, API testing and UI testing and using tools, such as Karate, Cypress.io, Ruby/Gherkin/Cucumber, etc.
- Closely worked business stakeholders to finalize the requirement and product demo to receive the approval of the final product.
- Closely worked with the team regarding to report the test results and bugs uncovered during regression testing.
- Extensively worked on risk analysis and production releases
- Created and maintained defect traceability matrix, data analysis matrix and relayed the updates to multiple teams and stakeholders impacted by the findings.
- Occasionally involved in fixing bugs and feature developments.
- Experience with working independently or under limited direction or guidance
- Experienced in both Windows as well as Linux environments

SKILLS

SDLC Methodology: Waterfall, Agile (Kanban and Scrum)

DevOps: Amazon Web Service (AWS), Jenkins, Docker, Dockyard, Artifactory, Github, New Relic, Data Dog, Pagerduty

SRE (Site Reliability Engineering): Grafana, ELK (Elasticsearch, Logstash and Kibana)

Automated Testing: Ruby/Gherkin/Cucumber, Cypress, Python, Hercules (Performance Testing), JMeter (Performance Testing), Karate (API testing), Postman

Manual Testing: Website, Mobile Application (IOS and Android), Tablet Application, Quality Center, Version One, JIRA, Confluence, Sharekeeper, MS Excel

Development: Java, HTML, CSS, Javascript, Maven, Gradle

Databases: Oracle SQL, MS SQL, Sybase, MongoDB, DynamoDB, Redis

Operating System: Windows, Linux

EXPERIENCE

Capital One, Vienna, VA - *Software Engineer / QA Automation Engineer*

April 2019 - PRESENT

Roles and Responsibilities:

- Engage in all the production release and release related activities. This includes creating Incident, Change Orders, running integrated tests, running regression tests, attaching test results/reports and the actual Blue Green deployment using an automated CI/CD pipeline.
- Rehydrate Application Servers and MongoDB servers with the latest AMI on a regular interval and update Security Groups in order to comply with Capital One's updated Cyber security requirements.
- Test UI application using Ruby/Gherkin/Cucumber framework
- Test API using Karate framework.
- Create and maintain new automated test cases.
- Migrate legacy Ruby/Gherkin/Cucumber test framework to Cypress.
- Enable all the tests to run via Jenkins and Docker images.
- Conduct performance testing of API using Jmeter/Hercules.
- Frequently assist customers with the issues with the application as a part of YBYO (You Build You Own) Strategy.
- Analyze, scrub and upload the data requested by internal consumers to the application on a bi-weekly basis.
- Multiple Bug fixes that were reported by the team and Customers.
- Participate in multiple design reviews, PI planning, Sprint planning, Sprint Reviews and Retrospective meetings in addition to the daily standup meetings.
- Coordinate with senior developers in the team and assist to develop new features requested by consumers.
- Be on call for PagerDuty support and resolve any issues or alerts.
- Frequently analyze team data which landed on AWS Snowflake for any mismatches.
- Create infrastructures and application stack on multiple regions and participate in disaster recovery exercises conducted internally by Capital One. This included failover from one AWS region to another.

Environment: Java, Angular, AWS (Amazon Web Service), RHEL 6/7, Docker, Jenkins, Artifactory, Github, Ruby, Gherkin, Cucumber, Karate, Hercules, Jmeter, MongoDB, DynamoDB, API, JIRA, Confluence, ServiceNow, MS Excel

Capital One, McLean, VA - *Software Engineer / QA Automation Engineer*

December 2018 - April 2019

Roles and Responsibilities:

- Created test spring boot applications to implement AWS X-Ray and onboarded to Dev-Exchange.
- Analyzed Cloudwatch logs and Elasticsearch in order to get appropriate data which could be later used to create Grafana and Kibana Dashboards.
- Build Grafana and Kibana Dashboards as SRE (Site Reliability Engineering) process to track down the issues of upstream and downstream applications
- Continuously supported internal consumers of the created Dashboards and refined for better usability.
- Participate in multiple design reviews, PI planning, Sprint planning, Sprint Reviews and Retrospective meetings in addition to the daily standup meetings.

Environment: Java, AWS (Amazon Web Service), RHEL 6/7, Docker, Jenkins, Artifactory, Github, Python, Grafana, Kibana, Elasticsearch, JIRA, Confluence, MS Excel

Capital One, Tysons Corner, VA - *Software Engineer / QA Automation Engineer*

February 2018 - December 2018

Roles and Responsibilities:

- Create infrastructures and deploy applications and scripts which were used to send the account related data to the third party.
- Write Ruby Chef recipes to connect to third party servers and transfer files and data.
- Participate in mock data transfers and conversion.
- During the actual conversion run the scripts written by the team and ensure the files have been successfully transferred to the third party.
- Create infrastructure using EC2 instances, deploy the latest version of Sharekeeper (Internal tool) and install other tools such as SnagIt on the server to facilitate UAT for the brokerage team.
- Perform the actual account transfers and conversion of the customer accounts.

Environment: Java, AWS (Amazon Web Service), RHEL 6/7, Docker, Jenkins, Artifactory, Github, Python, Ruby, Chef, Gherkin, Cucumber, Batch Applications, HPSM, JIRA, Confluence, MS Excel, Sharekeeper, Snagit

Capital One, Wilmington, DE- QA Automation Engineer / QA Analyst

June 2013 - February 2018

Roles and Responsibilities:

- Use tools and techniques to execute test cases and build/script new tools for performing testing/validation functions..
- Implement Redis on EC2 instances for storing customer session related data
- Implement HammerDB to run the stress testing against Redis database.
- Develop and maintain Ruby/Gherkin/Cucumber framework to test Sharebuilder website and mobile web.
- Perform GeoIP testing in order to ensure users are not able to log into the Sharebuilder website and application from geographically blocked regions.
- Frequently interact with product stakeholders to develop a strong understanding of the project and testing objectives.
- Specialized in writing system test plans, writing bug documentations, and developing test summary reports for manual as well as automated testing.
- Design and create test conditions and scripts to address business and technical use cases.
- Develop and implement feature, integration, regression and system tests for new features, enhancements and bug fixes.
- Perform root-cause analysis to identify and implement corrective actions and process improvements.
- Analyze business and system requirements and develop test strategy.
- Review quality specifications and technical design documents to provide timely and meaningful feedback.
- Run existing test automation suite for Sharebuilder Website and mobile web end ensure there are no issues on the new and existing functionalities and features .
- Document, track and escalate issues as appropriate, using Quality Center.
- Conduct system integration testing, functional testing, regression testing and assist customer during User Acceptance Testing (UAT)
- Prepare briefing documents and participate in discussions and demo with the stakeholders.

Environment: Java, AWS (Amazon Web Service), RHEL 6/7, Docker, Jenkins, Artifactory, Github, Python, Ruby, Gherkin, Cucumber, Version One, Quality Center, Sybase, Batch Applications, HPSM, JIRA, Confluence, MS Excel, Sharekeeper, Snagit

CERTIFICATIONS

- AWS Devops Professional
- AWS Developer Associate
- CSSE Associate (Capital One)

EDUCATION

College: Dickinson State University

Degree: Bachelors of Science in Accountancy

GPA: 3.875

Awards and Achievements:

- Member of Sigma Beta Delta
- Graduated with Magna Cum Laude