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Lead Quality Assurance Engineer in Test Professional

PROFILE SUMMARY

- **QA Professional** with **13 years** of experience in **Casino IGaming, Platform, Back Office, Mobile & Internet Applications, and Infrastructure management of publishing establishment domain,** good Knowledge and implementation skills in complete **Software Development Life Cycle (SDLC)** and **Software Testing Life cycle (STLC)**
- Experienced in **DevOps** Engineering practices including **Jenkins CI/CD Pipeline Configuration using Groovy**, **Build Automation, Plugin Management, Branching,** and **Setting up Master/Slave Configurations**
- **Lead** the **Automation** effort, including **designing**, **developing**, and **maintaining** Automated tests, as well as setting up the **Automation framework** and ensuring its scalability and maintainability.
- Proficient in executing **User Acceptance Testing** for **casino iGaming**, **systems,** and **Backoffice**.
- Proficient in understanding of gaming industry standards, best practices, and compliance requirements.
- Experience in collaborating with cross-functional teams, including game designers, developers, and artists.
- Developed **QA procedures** and improved **QA management** using defect trend data and root cause analyses.
- Experience in **Functional Automation Testing of GUI (Web, Windows, and Infragistics), Non-GUI (Rest API), and Mobile Application Testing for Android, and iOS Platforms.**
- Expertise in creating the **framework** for **Web Automation** using **Selenium Web Driver, REST API Testing, and Automation** using **Postman, Python, PyTest, and Behavior-Driven Development (BDD)** using Gherkin.
- Experience in **Performing Testing** using **Gatling** with **Scala**
- Proficient in Creating, Modifying, and Maintaining New and Existing Automation Framework Models (**BDD, TDD, Hybrid, and Data-Driven Frameworks)**
- Proficient in Software Release Engineering using **Version Control** with (**Perforce and Bitbucket**), **Software Packaging**, **CI/CD Pipelines Configuration, Environment** and **Release Management**
- Performing Mobile Application Testing for Android and IOS platforms using Appium and Xcode.
- Expertise **in Agile/Scrum methodologies & Waterfall model,** working closely with **cross-functional teams** to identify and prioritize testing requirements and collaborating with developers to ensure timely resolution of issues.
- Skilled in using **Agile dashboard tools** to create real-time project visualizations to track and monitor team **performance, progress, and efficiency.**
- Understanding of key performance indicators (**KPIs**) such as **velocity, burn-down chart, cycle time, lead time, team capacity, sprint backlog progress, defect density,** and **sprint success rate**.
- Experience in using defect management tools such as **JIRA**, **HP Quality Centre (QC), and Rally** to track and manage defects throughout the software development lifecycle.
- Competency in conducting risk analyses, quality assessments, audits, and/or studies and implementing successful process improvement programs, deploying short and long-term Quality Improvement Programs

CORE COMPETENCIES

~ Software Testing	~ Test Plan & Strategy	~ Software Quality Assurance
~ Automation Testing	~ Root Cause Analysis	~ Process Improvement/ Enhancement
~ Project Planning/ Management	~ Team Building & Leadership	~ Client Relationship Management

ORGANIZATIONAL EXPERIENCE

QA Technical Lead Engineer -Aristocrat Interactive (Formerly Pariplay Private limited, Chennai) Jan'24 – Till date

QA Consultant, Remote- Pariplay India Private limited, Chennai   Aug'23 – Jan'24

Key Result Areas:

- Manage and Lead the Automation team, including hiring, training, and mentoring team members, as well as setting performance goals and providing feedback.
- Oversee the Test execution process, including assigning tasks to team members, reviewing test results, and providing

test reports to stakeholders.
- Work closely with the development teams, product owners, and other stakeholders to ensure that the testing effort is aligned with their expectations and that any issues are addressed in a timely manner.
- Driving process improvements and sharing best practices effectively across the organization
- Ensuring efficient use of bug tracking systems and generating detailed test reports that can help Development Teams understand the root cause and improve overall quality.
- Ensuring the flawless performance of new products and applications before they reach customers or clients. With a strong track record of conducting user acceptance testing
- Conducted comprehensive user acceptance testing for casino iGaming applications to ensure adherence to specified functional requirements and industry standards.
- Collaborated with game designers, developers, and artists to implement rigorous testing protocols, providing valuable insights to enhance gameplay and user experience.
- Reviewed, managed, and raised defects identified during UAT, working closely with the development and support teams to facilitate timely resolutions. Performing Web UI Automation Testing using Python, Java, TestNG, PyTest, Selenium Web Driver
- Managing REST API Automation with Python using PyTest.
- Performing Load Testing using Gatling with Scala
- Led operations entailing Test Design, Test Planning using OTS Solution HP QC (ALM)
- Performing Mobile Application Testing for Android and IOS Platform using Appium
- Managing, improving, and monitoring cloud infrastructure on AWS, EC2, S3, and Snapshot backups
- Administering Perforce, Git, and GitHub version controls for managing repositories including branching, tagging, and user role administration
- Working on Software Release Tracking, Auto Merge, SWARM Code Review, and JIRA JOB Enforcement Triggers

EDUCATION

- **Bachelor of Engineering** in **Computer Science and Engineering** from **Anna University** – Chennai, India (2010)

TECHNICAL SKILLS

Test Management Tool: JIRA, Silk Central Test Manager, Rally, HP QC (ALM)
IDE/Scripting Language: Python, VBScript, Batch Script, Shell Script, Groovy, Java, Scala, PyCharm, Eclipse, and IntelliJ
Automation Testing Tools: Unified Functional Testing (UFT-11.5), Selenium Web Driver; Appium
Performance Testing Tools: Gatling
CI/CD Tools: Jenkins
Databases: MySQL
Version Control: Perforce, Bitbucket, Git
Operating Systems: Windows 10/8/7/XP/2000/NT/98/Linux

CERTIFICATION

ISTQB: Certification by International Software Testing in 2012
AZ-900: Certification by Microsoft for Azure Fundamentals in 2023
SS&C Blue Prism: Robotic Process Automation Professional certification by Blue Prism in 2024
AS1: Automation Web Application Testing Certification by Tricentis Tosca Fundamentals in 2024
AS2: Optimizing Test Automation with Centralized Test Data Certification by Tricentis Tosca Fundamentals in 2024

- (Refer to Annexure for Projects)

Annexure

Aristocrat Interactive (Pariplay India Private Limited, Chennai – January 2024 – Till Date

Games, Platform Integration and BackOffice – QA Technical Lead Engineer and DevOps Engineer
Pariplay is an aggregation iGaming platform that connects Game vendors with casino operators through APIs across mobile, desktop, and social channels, together with Partnering with the world's top online gaming providers.

Responsibilities:
- Provided technical leadership, direction, and mentorship to the QA automation team in developing and maintaining automated test frameworks for both platform and game projects.
- Designed, implemented, and ensured the continuous improvement of automated testing frameworks for platform and game functionalities, leveraging tools like Allure Reporting for clear test results and SonarQube for code quality analysis.
- Spearheaded the integration of Jenkins CI/CD pipeline with other DevOps tools for configuration management, infrastructure provisioning, and monitoring, optimizing the software development lifecycle.
- Advocated for and ensured adherence to Agile/Scrum methodologies through daily stand-up meetings, sprint planning and closure, and continuous integration practices.
- Led the integration of the automation framework with essential tools like Jenkins for CI/CD, Git for version control, Allure Reporting for clear test results, SonarQube for code quality, and Jira for issue tracking.
- Acted as the Scrum Master (if applicable) to facilitate smooth and efficient delivery within the Agile team.
- Managed and maintained test environments (QA, Development, Product Management, and Product Support) to ensure smooth execution of automated tests.
- Contributed to test plan creation, script development and execution, test report generation, and maintenance of automated test suites.
- Conducted thorough integration testing for games, ensuring seamless interaction with different operators and vendors.
- Implemented and executed load testing using tools like Gatling with Scala and JMeter to assess the scalability and performance of the platform and games.

Pariplay India Private Limited, Chennai - August 2023 –January 2024

Games, Platform Integration and BackOffice –QA Consultant and DevOps Engineer
Pariplay is an aggregation iGaming platform that connects Game vendors with casino operators through APIs across mobile, desktop, and social channels, together with Partnering with the world's top online gaming providers.

Responsibilities:
- Offer technical leadership and guidance to internal QA teams on automation best practices, framework development, and test script creation.
- Design, implement, and refine automated testing frameworks for various projects, leveraging tools like Allure Reporting and SonarQube for remote collaboration.
- Advise and assist clients with integrating their Jenkins CI/CD pipeline with other DevOps tools for configuration management, infrastructure provisioning, and monitoring.
- Promote and guide clients on implementing Agile/Scrum methodologies through remote communication channels, facilitating daily stand-up meetings, sprint planning and closure, and continuous integration practices.
- Assist clients with integrating their automation framework with essential tools like Jenkins (CI/CD), Git (version control), Allure Reporting, SonarQube, and Jira (issue tracking) for efficient remote collaboration.
- Offer remote coaching and support to client teams acting as a virtual Scrum Master, ensuring smooth and efficient delivery within their Agile framework.
- Guide and advise on maintaining their test environments (QA, Development, Product Management, and Product Support) to enable successful remote test execution.
- Collaborate remotely with clients on test plan creation, script development and execution, test report generation, and ongoing maintenance of automated test suites.
- Conduct or provide remote guidance on integration testing for games, ensuring seamless interaction with different operators and vendors.
- Assist clients with implementing and executing load testing using tools like Gatling with Scala to assess the scalability and performance of their platform and games (expertise may involve on-site or remote work depending on project needs

Pariplay India Private Limited, Chennai - September 2020 – May 2023

Games, Platform Integration and BackOffice – QA Automation Lead Engineer and DevOps Engineer
Pariplay is an aggregation iGaming platform that connects Game vendors with casino operators through APIs across mobile, desktop, and social channels, together with Partnering with the world's top online gaming providers.

Responsibilities:
- Led the Automation team, Framework Creation for Platform and Game with Allure Reporting, and SonarQube for Platform and Game, guiding the team on script execution and code review.
- Implemented DevOps practices and ensured that the Jenkins CI/CD pipeline is integrated with other DevOps tools such as configuration management, infrastructure provisioning, and monitoring.
- Adhered to Agile/Scrum methodology with daily Stand-ups, Sprint Planning, Sprint Closure, and continuous integration.
- Integrating the framework with Jenkins, GIT, Allure Reporting, SonarQube, and Jira.
- As a Scrum master maintaining agile team delivery
- Maintaining the environments for QA, Development, Product Management, and Product Support
- Working in Test plan preparation, Script writing, Execution, Test report preparation, and Maintenance
- Performing Integration Testing for games with different Operators and vendors.
- Performed Load Testing using Gatling with Scala

Online Gaming (IOS, Android & Web Browsers) - Senior Quality Assurance Engineer
iGaming Platform provides online games for casino operators with the capability to provide web and mobile wager-based slot, Bingo, and Table games.

Responsibilities:
- Created an automation team, identified the key areas for automation, and developed automation strategies for various manual practices to achieve business goals on platform and games integration.
- Developed a Performance Testing Framework using Gatling with Scala to perform the load testing.
- Building the CI/CD process and maintaining the Git and Bitbucket workflow for version control.
- Designing & developing build and packaging tools for continuous integration build and reporting.
- Troubleshooting build issues in Jenkins, working on all areas of Jenkins setting up CI for new branches, build automation, plugin management and securing Jenkins, and setting up master/slave configurations.
- Creating an Automation framework to support platform Integration and Interactive Gaming.
- Led the Automation team and guided the team in creating the test script, validating test cases, scalability, and code reviews.
- Integrating the framework with Jenkins, GIT, Allure Reporting, SonarQube, and Jira.
- As a Scrum master maintaining agile team delivery
- Maintaining the environments for QA, Development, Product Management, and Product Support
- Working in Test plan preparation, Script writing, Execution, Test report preparation, and Maintenance
- Performing Integration Testing for games with different Operators and vendors.
- Performed Load Testing using Gatling with Scala

Scientific Games Corporation, Chennai- October 2013 – August 2020

Software Release Engineering Service (SRES) - Software Release Engineer
SRES is a process of automating the various stages of software development, including planning, building, testing, deployment, and support.

Responsibilities:
- Maintaining product release process, including generating and delivering release packages, generating various metrics for tracking issues against releases, and the means of tracking compatibility among products
- Designing & developing build and packaging tools for continuous integration build and reporting.
- Building the CI/CD process and maintaining the perforce workflow for version control
- Coordinating all build and release activities, ensuring release processes are well documented, and source control repositories including branching and tagging.
- Maintaining product release process, including generating and delivering release packages, generating various metrics for tracking issues against releases, and the means of tracking compatibility among products
- Designing & developing build and packaging tools for continuous integration build and reporting.
- Automating the build and release cycles
- Maintaining the environments for QA, Development, Product Management, and Product Support
- Integrating various version control tools (Perforce, GIT), build tools, nexus, and deployment methodologies (scripting) into Jenkins to create end-to-end orchestration build cycles.

- Troubleshooting build issues in Jenkins, working on all areas of Jenkins setting up CI for new branches, build

automation, plugin management and securing Jenkins, and setting up master/slave configurations.
- Monitoring cloud infrastructure on AWS, EC2, S3, including backups.
- Supervising Agile/PLM Web Services SRES Agile Automation
- Steering Software Release Tracking, Auto Merge, SWARM Code Review, and JIRA JOB Enforcement Triggers

Galaxy Hub - Casino Management Application - Senior Quality Assurance Engineer

Galaxy Hub solution aims at managing multiple casino properties and players across various casinos are rated and evaluated using this solution. Being a lightweight product, multiple instances can be fired up to entertain the load.

Responsibilities:
- Understand and analyze Business, Functional, Technical, and UI (User Interface) requirements of the project/release.
- Implementing Newman API Testing Configuration in CI/CD Pipeline
- Contributed to requirement analysis and understood requirements to get information about design & implementation.
- Automated manual test cases: upgraded automation test scripts to make them compatible with upcoming versions
- Executed code review on Automation scripts and validated that test cases are automatable and scalable.
- Performed analysis on product quality build-wise and reported the pattern of issues found.
- Created test script for API Automation using Mocha framework to run in node.js.
- Worked on test plan preparation, script writing, execution, test report preparation and maintenance.
- Facilitated Functional Testing and different types of testing like Integration Testing, System Testing, Regression
- Testing, Sanity Testing, User Interface Testing, Web Testing, Mobile Application Testing, Compatibility Testing, Performance Testing and Ad-hoc Testing.

Online Gaming (IOS, Android & Web Browsers) - Senior Quality Assurance Engineer

Scientific Games iGaming Platform is essentially an online gaming portal, allowing casino operators the capability to provide mobile, social, and online play-for-free and wager-based gaming.

Responsibilities:
- Organized kick-off meeting with the Development Team regarding testing of applications in iOS/Android & different Web Browsers
- Creating test plans, test cases, and test scenarios based on software requirements and design documents.
- Established environment for the Online and Mobile Gaming platform
- Organized kick-off meeting with the Development Team regarding testing of applications in iOS\Android & different Web Browsers
- Interpreted business requirements and high-level design to create a detailed test suite for iPhone and Android platforms.
- Created test scripts for automation API using the Mocha framework to runnode.js.
- Drafted weekly metrics report status to Project Managers and Directors
- Assisted team in test and regression reviews to ensure adequate testing coverage.

Lion Bridge Technologies, Chennai- June 2011 – October 2013

Hewlett Packard –Fleet Management System (FMS) and Web Jet Admin - Software Testing Engineer

HP Fleet Management System (web) and Web Jet Admin (Windows) applicationsare Hewlett Packard print management software products designed for the administration of network printers.

Responsibilities:
- Executing manual and automated tests to verify software functionality, Identified and reported the defects in the defect tracking system; Conducted regression testing and verified bug fixes to ensure software quality.