Muthu

Performance Test Engineer

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Professional Summary:

- 5+ years of experience in performance testing using **JMeter**, **LoadRunner**, and Blaze Meter. Skilled in script development, test plan execution, and results analysis.
- Proficient in monitoring tools like Dynatrace and Perfmon, with a strong ability to identify bottlenecks and optimize application.
- Experienced in customizing JMeter using regular expressions, timers, assertions, Samplers, CSV data set config, and Listeners
- Experience customizing LoadRunner scripts using **correlation, parameterization**, page verification, and error handling
- Good knowledge about debugging script-level issues in LoadRunner Vugen
- Experience in Creating user data through **a** CSV format for executing scripts.
- Having good knowledge of workload models like a smoke test, **load test**, **stress test, smoke test**, etc.
- Experience in analysing various client side and server-side metrics
- Good at bottleneck identification and ability to drill down end-to-end root cause analysis o
- performance bottlenecks application leaks by monitoring through memory views
- Experience in reporting non-GUI reports like HTML, csv in JMeter
- Experience in LoadRunner controller for ramp-up and ramp-down and adding additional graphs
- Designing executing multiple test scripts as per the test plan expected performance SLAs
- Experience in analysis of client-side parameters like Hit per second, Transaction Per
- Server-side monitoring with tools like **Dynatrace** and **Perfmon**.

Academic Qualifications:

- Completed B. Com from Dravidian University.

Professional Experience:

- Working as Performance Test Engineer for **IBM** from may 2020 to till date.

Skills:

Performance Tools: JMeter, LoadRunner, Blaze Meter
Monitoring: Dynatrace, Perfmon
Languages/DB: Java, Oracle
Protocols: HTTP/HTML
Reporting Tools: ALM, CSV, HTML Reports

Project: #4

Project: Hospital Information System
Client: Uniting Care Health (Australia)
Environment: Java and Oracle Server
Tool: JMeter, Dynatrace

Description:

HIS is a Client Server Application. This application provides the complete Integration of all the services. This includes Reception, Patient registration, Outpatient Billing, Admissions Discharges and Bed

Transfers, Wards, Laboratory Module, RIS (Radiology Information System), Operation Theatre, Inpatient Billing, Equipment Interfacing, House Keeping, Discharge summary, Inventory management system, Physiotherapy Financial Accounting system.

Responsibilities:
- Writing test cases and Execution of test cases for various test data and reporting of test defects in ALM
- Identification of scenarios based on the performance requirements
- Generating and enhancing scripts in the Vugen component
- Designing and developing scenarios using load runner Performance centre.
- Monitoring Windows Servers using perfmon.
- Performed Load, Stress, and Endurance testing.
- Measuring performance metrics and monitoring resource demand metrics
- Preparing High-level and final reports with all observations
- Sending the daily report and performance reports to the onsite coordinator Involved in performance Analysis

Project: #3
Project Name: Shutterfly
Client Name: Shutterfly (USA)
Platform: Windows
Environment: Java, J2EE, WebLogic and Oracle,
Tool: JMeter

Description:

Shutterfly is an ecommerce application for personalized photos, Calendars, Prints and services, A single entity of premium lifestyle brand– Shutterfly [Photo Book, Calendars, and Prints], Tiny Prints, Wedding Paper Divas, Borrow Lenses, My Publisher, and Groove book –Shutterfly Photos help you gather and organize your photos and videos so you can easily find, share and enjoy them anywhere.

Responsibilities:
- Work with BA, Dev, and Infra teams to finalize NFRs (non-functional requirements) • Understand business workflows (photo upload, customization, checkout, etc.)
- Identify performance SLAs (response time, throughput, concurrent users).
- Performed dry run to validate the developed scripts on different environments to make sure the scripts are validated to run independently.
- Provide the CSV data set configure elements to assign multiple inputs Captured the script in LoadRunner With web (HTTP/HTML) protocol.
- Analysing load tests to identify problematic transactions, and preparing comparison analysis reports with the baseline
- Designed and Executed Load tests in the Controller and Collected various performance graphs.
- Monitoring load test with client-side performance metrics like hits/sec, throughput, TPS, and response times environment team.
- Monitor server metrics: CPU, memory, DB response, GC logs

Project: #2
Project Name: Parcelforce Logistics Solutions
Client Name: Parcelforce, (UK)
Environment: Java, Web logic Oracle, and Oracle

Tool: LoadRunner
Description:

      For over 14years, Parcelforce Worldwide has provided a vital link for British businesses needing to send express shipments internationally and in the UK. We have a long history as part of the Royal Mail Group and pride ourselves on the dedication of our people to deliver high-quality services for over 30,000 customers across the country.

Responsibilities:
- Analysing and Understanding Performance Requirement Specification
- Discussion with the Business, development, and Functional teams to identify the Critical Business scenarios.
- Handle dynamic parameters (parcel reference IDs, session tokens).
- Enhancing Vuser scripts Like Applying Transaction Points, Rendezvous Points,
- Parameterization, and Correlating the Scripts and Checkpoints
- Scheduling the Scenarios and Groups based on the Business Scenarios and Executing the Scenarios in Performance centre
- Involved in Analysing Test results
- Generating the Performance report and forwarding the report to my onsite coordinator.

Project: #1
Project Name: Barnes and Noble
Client: USA
Environment: Java
Tool: LoadRunner

Project Summary:

      BN is an online shopping application (E-commerce), which provides the online shopping facility on eBooks that available for USA people-products are available for the customer and it can be easily purchased online. It provides the user to find new products available, most purchased and customer satisfied products. User can create wish list and send to family and friends. It also provides store details where user can find the shop details to buy the products. User can apply order level, item level and global promotions in order to purchase items. Once user orders an item it will be shipped to the user address. It also provided with customer support page, using this customer can get the assistance from the available customer support executive online

Roles and Responsibilities:
- Understand user flows (search, checkout, membership login).
- Identify critical use cases: Flash sales, bestsellers, holiday traffic.
- Compare current results to baseline or SLA
- Analysing load tests to identify problematic transactions, and preparing comparison analysis reports with the baseline
- Analysed transaction time and DB performance, leading to 25% faster checkout flow.
- Experience customizing LoadRunner scripts using correlation, parameterization, page verification, and error handling.
- Monitor server metrics: CPU, memory, DB response, GC log.