**Senior Performance Test Engineer**

**Vijay Bhasker**

**Summary:**

* Over 11.5 years of extensive experience in Performance Testing, API Testing, and Automation Testing.
* Demonstrated expertise in all phases of the Performance Testing Life Cycle, including significant involvement in Nonfunctional Requirement gathering, Test Planning, Test Scenarios Scripting, Test Execution, Analysis, and Signoff.
* Proficient in Performance Engineering, Performance Monitoring, and Root Cause Analysis.
* Strong familiarity with Performance Testing tools such as Apache JMeter, HP LoadRunner, Neo Load, and K6.
* Experienced in testing applications deployed in containers using microservices architecture on AWS and GCP platforms.
* Skilled in executing Load, Stress, and Soak Tests effectively.
* Proficient in Front End performance Testing using Lighthouse and Developer Tools.
* Knowledgeable in analyzing database metrics using AWR and SQL Profiler.
* Experienced in real-time monitoring through integration of Nonfunctional testing with Grafana, Influx DB, and Prometheus and utilizing APM (Application Performance Monitoring) tools such as Dynatrace, AppDynamics, and Stack driver.
* Well-versed in log level monitoring and analysis using Splunk.
* Good experience in monitoring and executing scenarios for Messaging systems like Apache Kafka and ActiveMQ.
* Involved in performance engineering through monitoring, reporting, and analysis of logs and metrics at system, database, and network levels for Java and .NET applications.
* Experienced in RESTful API Automation using Rest Assured and Karate Framework.
* Proficient in Automation Testing with Selenium using Test-Driven Development (TDD) with TestNG.
* Hands-on experience in Continuous Integration/Continuous Deployment (CI/CD) processes by integrating Jenkins with various tools.
* Plan and execute failover tests to validate the resilience of systems and ensure continuity of operations in the event of a failure.
* Involved in Capacity planning and benchmarking of applications.
* Familiar with Agile software development methodology and proficient in using tools such as Jira, TFS, and QC ALM.

**Technical Skills:**

* Performance Testing: Apache JMeter, HP LoadRunner, Neo Load, K6
* Automation Testing: HP/UFT, Selenium/TestNG
* API Testing: SOAP, Postman, Rest Assured, Karate
* Monitoring: AppDynamics, Splunk, Dynatrace, Grafana, Prometheus, Stack Driver
* Operating System: Windows, Linux, Microsoft Office
* Database: Oracle, MYSQL, Mongo DB
* Cloud: AWS, Azure, GCP
* Test Management: Jira, TFS and QC ALM

**Working Experience:**

**Client: Vorizo info Tech Inc Jun 2023 – Till Now**

**Role: Senior QA Performance Engineer**

**Project Name:** COX-time Automotive **Jun 2023 – Mar 2024**

**Domain :** Manufacturing

**Project Description:** X-time increases customer retention by transforming the ownership experience for automotive manufacturers and dealership service departments, thus increasing customer satisfaction while boosting dealer revenue and profitability. X-time is committed to delivering the experience consumers demand – one that emphasizes value, convenience, and trust.

**Responsibilities:**

* Implemented Agile SCRUM methodology to streamline project management processes.
* Utilized Apache JMeter/Blaze Meter for developing comprehensive Performance test scripts.
* Developed performance scripts using K6, ensuring robust and efficient performance testing.
* Deployed and meticulously monitored applications within AWS environments leveraging EC2 and Elastic Beanstalk Services.
* Conducted real-time monitoring using Grafana, Influx DB, and Prometheus, ensuring prompt identification and resolution of performance issues.
* Performed log monitoring and analysis utilizing Splunk, proficiently crafting queries to extract crucial insights from logs.
* Demonstrated expertise in Frontend Performance testing using Lighthouse.
* Leveraged Synthetic performance monitoring tools to conduct thorough testing and generate comprehensive reports.
* Executed Real User Monitoring (RUM) using various APM tools like Dynatrace and Splunk, ensuring alignment with performance expectations.
* Engaged in functional automation testing using TestNG, Selenium WebDriver, and Java, ensuring robust test coverage and reliability.
* Conducted thorough monitoring of all interfaces and servers using Dynatrace, ensuring optimal performance and reliability.
* Proficiently performed log level analysis and generated Heap dumps in Unix Environment to identify and resolve performance bottlenecks.

**Tools Used:** Apache Jmeter 5.4, Lighthouse, Splunk, AWS, Selenium WebDriver, TestNG, Dynatrace, Jenkins

**Client: Capita Jul 2021 – May 2023**

**Role: Senior Software Consultant-Testing**

**Project Name**: Evolve-Pay360-PerformanceTesting

**Domain** : Payment services.

**Project Description:** It’s a product best in payment services all together in one place. It provides solutions to Whether a new to card payments or a large enterprise. It acts as an intermediate service provider between merchants and acquirers.

**Responsibilities:**

* Conducted benchmark testing of various modules across different environment configurations for microservices-based applications.
* Performed API Performance Testing using K6 with integration with Grafana.
* Led a team of 4 members, overseeing their work across various projects.
* Monitored performance test executions, gathered response times, and shared results with Development, Database Administration (DBA) teams, and stakeholders.
* Utilized Neo Load for performance testing of Citrix hosted applications.
* Monitoring and executing scenarios for Messaging systems like Apache Kafka.
* Identified bottlenecks and performance issues based on multiple user test results.
* Prepared daily task sheets for offshore teams and scheduled meetings with business and development teams to discuss project status.
* Demonstrated proficiency in the Unix environment for log analysis, heap dump generation, and execution of JMeter scripts and Neo Load.
* Expertise in executing Load Stress and Soak Tests.
* Utilized Grafana and Prometheus (Windows exporter/Node Exporter) for real-time monitoring of servers.
* Employed Synthetic performance monitoring tools like Lighthouse/Developer tool for testing and reporting.
* Experience in Real User Monitoring (RUM) using different APM tools like Dynatrace and Splunk.
* Conducted log level analysis and generation of Heap dump in Unix Environment.
* API Automation using Karate Framework.
* Published Test Completion Reports and conducted review sessions with all stakeholders for sign-off.

**Tools Used:** Apache JMeter 5.4.1, Splunk, Neo Load, Microservices/Kubernetes, Azure, Dynatrace, K6, Grafana and Prometheus

**Client:** **MCS Solutions Pvt ltd Sep 2018– Jul 2021**

**Role: QA Analyst**

**Project Name**: **PWC FMS - US**

**Domain** : Facility Management System (FMS)

**Project Description:** Available across different platforms (web, mobile), the software enables organizations to realize measurable improvements in the areas of real estate, facilities, and workplace management. The real value resides in that it provides business leaders better insights, enabling them to take informed decisions and drive continuous improvement.

**Responsibilities:**

* Conducted benchmark testing of various modules across different environment configurations.
* Automated testing for Soap/REST API calls.
* Performed performance testing for SAP Commerce/SAP ABAP developed applications.
* Collaborated with SAP administrators and developers to optimize system performance.
* Conducted real-time analysis of tests using Grafana integration with JMeter.
* Implemented CI/CD using JMeter, Jenkins, and ANT.
* Monitored all interfaces/servers using AppDynamics.
* Integrated performance engineering into SDLC processes.
* Demonstrated proficiency in Synthetic performance monitoring to test and report using Lighthouse/Developer tool.
* Conducted API automation/performance testing using Apache JMeter with Grafana and Prometheus for real-time monitoring.
* Possessed strong working experience in Unix environment for log analysis, heap dump generation, and executing JMeter scripts.
* Implemented Taurus tool for conversion of Soap existing projects to JMeter.
* Scripted and executed mobile performance testing for Android and iOS apps.
* Executed performance tests on different Data Centers like Ctrl S, Claranet, and Oracle Cloud.
* Published Test Completion Reports and conducted review sessions with all stakeholders for sign-off.
* Facilitated Exit Criteria meetings with all stakeholders.
* Tools Used: Apache JMeter 4.0/5.0, Hp Load runner, AWS, App Dynamics, Performance Monitor and Grafana

**Client: Launch ship Solutions Pvt ltd Jul 2017 – Sep 2018**

**Role: Performance Test Engineer**

**Project Name:** **Google US -Smart Track- Performance Testing**

**Domain** : Vendor Management System

**Project Description:** Smart Track is a Vendor management System tool which that acts as a mechanism for business to manage and procure staffing services – temporary, and, in some cases, permanent placement services – as well as outside contract or contingent labor.

**Responsibilities:**

* Prepared the Performance Test Estimations and Test Plan based on NFRs, conducting review meetings with clients to obtain signoff.
* Conducted Entry Criteria meetings with stakeholders and proceeded with test execution based on agreed criteria.
* Executed Load, Soak, and Stress tests, collected results, and performed analysis.
* Monitored performance test executions, extracted response times, and shared results with Development, Database Administration (DBA) teams, and stakeholders.
* Conducted monitoring and analysis of applications developed on the .NET framework.
* Conducted capacity planning on the Google Cloud Platform (GCP) cloud infrastructure.
* Identified bottlenecks and performance issues based on analysis of multiple user test results.
* Prepared daily task sheets for offshore teams and scheduled meetings with business and development teams to discuss project status.
* Prepared final executive summary reports at the end of engagements, including recommendations and conclusions.
* Published Test Completion Reports and conducted review sessions with all stakeholders for sign-off.
* Facilitated Exit Criteria meetings with all stakeholders.

**Tools Used:** Apache JMeter 3.2/4.0, GCP, Stack Driver, Influx DB and Grafana.

**Client: Virtusa Consulting Services, India Aug 2012– Jun 2017**

**Role: Associate Consultant**

**Project Name:** **Time Warner Cable (US).** **Jan 2016 – Jun 2017**

**Domain :** Media

**Project Description:** The goal of the project is TWC is seeking to redesign its employee intranet experience using Adobe Experience Manager (“AEM”). Beyond just technology modernization, the goal of this initiative is to drive a more scalable, responsive, engaging and desirable user experience for TWC employees.

**Responsibilities:**

* Involved in preparation of JMeter scripts based on test scenarios.
* Involved in Preparation of performance test plan.
* Modification & Execution of scripts in Different Environments
* Used Performance monitor for monitoring JVM parameters during execution.
* Analysis of server logs during and after execution of test
* Used Chrome DEV tool for capturing Browser render time during execution.
* Interaction with Client in Daily Status call
* Preparation of Test reports and sharing with architects

**Tools Used:** Apache JMeter, Performance Monitor, Fiddler

**Project Name: Home Serve, India / UK Aug 2015 – Dec 2015**

**Role: QA Analyst**

**Project Name:** Home Serve (UK)

**Domain :** Insurance

**Project Description:** Home Serve is a transformation project lead by Home Serve (U.K) platform with a proposal to replace the current Insurance systems into Pega 7 and it comes under Domain Home Utilities and Services which provides boiler, heating repairs, plumbing repairs and appliance repairs. It also offers home emergency insurance extending to plumbing & drainage cover, boiler & heating insurance and landlords' insurance policies.

**Responsibilities:**

* Involved in preparation of JMeter scripts based on test scenarios.
* Involved in preparation of regression test cases through JMeter.
* Worked on DB Validation through JMeter.
* Worked on Performance test on SOAP Web services requests.
* Preparation of bulk data to manual team through JMeter script
* Preparation of Test reports and sharing with architects
* Involved in Performance Test Plan preparation.
* Performing Sanity, Load, Soak and Stress Testing

**Tools Used:** Apache JMeter, Pega, Performance Monitor, JVisulVM

**Client:** **British Telecom (BT), India / UK Aug 2013 – Jul 2016**

**Role: QA Analyst**

**Project Name**: Auto fix (Next Gen Neo)

**Domain:** Telecom

**Project Description**: Next Gen (Auto fix) is a transformation project lead by Open reach TMW platform.

with a proposal to replace the current Trouble management systems running with Clarify, to a compatible equivalent so that the complete workflow management functionality supported by existing systems will be supported on standard portfolio hardware and software. A new in-house system (NextGenNeo/WLR/LLU/NGA) which would be developed with an auto fix framework in combination with Simple (Presentation Layer). Auto fix will play as a rule Engine whilst Simple will present the User Interface (UI) sharing the same database.

**Responsibilities:**

* Involved in generation of JMeter scripts based on test scenarios.
* Performing Sanity, Load, Soak and Stress Testing
* Performing Concurrency testing on UI.
* Preparing and maintenance of various test results.
* Analysis of reports is done using AWR report and J Console.
* Extracting reports for Thread dump and Heap dump during execution.
* Involved in the fixing of issues in DB during run.
* Monitoring of Servers and Data Source connections in Web logic (11G).
* Providing timelines for performing the Performance testing for releases.
* Coordinating with architects for any issues by providing logs/stats from Putty/WinSCP.

**Tools Used:** Web Logic 11G, Java, SQL developer and Apache JMeter 2.7/2.9, J-console and Perl

**Client:** **JPMC , India / US Aug 2012 – Jul 2013**

**Role: QA Analyst**

**Project Name:** JPMC –Cards Internet Group-Payments & Transfers

**Domain :** Banking

**Project Description:** The main aim is to redesign Payments and Transfers on Chase.com to provide the target customer with new functionality features and UI experience for Bill Pay, Account Transfers, Over Night Checks, Quick Pay and Wires.

**Responsibilities:**

* Re factoring of test cases shared by the client
* Designing the scripts for the identified test cases on different IST and QA Environments
* Peer reviewing the developed scripts.
* Maintain the failed test scripts as per the change requests or application changes.
* Maintaining the Object repository, functions as required.
* Executing the developed scripts for different releases at regular intervals on need basis.
* Logging the defects in QC and then tracking them towards closure
* Coordinating with Onsite team and other vendors for delivering the work to client

**Tools Used:** QTP 10, QC 10/ALM, SQL Server 2005

**Education:**

* Bachelors in Engineering (Electronics and Communication) from Osmania University-2011

**Certification:**

* [Neo Load Professional Certification](https://academy.tricentis.com/neoload-professional-certification)