

Performance Test Engineer

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SUMMARY

- Working in Performance Engineering as core competency for 13 years and Currently serving as Performance Test Engineer and enabling applications to be built and deployed in Production in an efficient and profound manner.
- Ability to perform efficiently as a collaborator and individual contributor. Excellent communication and client interaction skills. Currently also handling a team of 8 resources.
- Proficiency in application and system performance monitoring using Dynatrace, AppDynamics, CA Wily Introscope and Perfmon.
- Expertise in investigating and resolving performance bottlenecks which involves identification and reporting at API and/or method level and Analysis Tool, Heap Dump and Thread Dump Analysis.
- Worked on Agile Transformation by performing Microservice Performance Testing for Cloud-based applications, Continuous Integration using Jenkins, Live Performance Monitoring and Dashboards creation using AppDynamics.
- Data analysis and visualization: Performed statistical analysis, generated trends, and communicated data-driven actionable insights to the client. It helped in budgeting and planning future releases.

SKILLS:

- Hardware/Platforms: Windows Server 2008/16, IBM AIX, RHEL and AWS
- Testing Tools: Micro Focus LoadRunner, JMeter 5.x, Gatling 3.x and NeoLoad 7.x
- Development Language : Python and Java.
- Monitoring & Analysis Tools: Dynatrace, AppDynamics, IBM PMAT, Heap Analyzer, Ganglia, Nmon, Oracle Performance Tuning and Lighthouse
- Network Analyzer Tool: Fiddler, HTTP Watch, Chrome DevTools
- CI/CD Tools: Jenkins
- Scripting Protocols: Web HTTP/HTML, Web Services, Ajax TruClient, RTE
- Applications worked on: Web Based, .NET, Java, PHP, Mainframe and Micro-services
- Test types: Peak load testing, Stress testing, Endurance testing & Scalability testing

EDUCATION

- Master's in Computer Applications (University of Pune) - 2009
- Bachelor of Computer Science (Shivaji University) - 2006

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WORK EXPERIENCE

Principal Performance Test Engineer, **Barclays Services LLC.**, Whippany, NJ

Jan 2022 - Present

- Non-Functional Requirements Gathering: Assessing requirements and preparing test strategy according to scope and application under test.
- Creating NFT Strategy: Test plan document with detailed description about the various types of performance testing to be carried out, the test scenario details, the user load distribution pattern and the project timeline, which talks about the schedule for each of the performance testing phases.
- Analysis of both client and server-side statistics is conducted and detailed reports about the test executions are prepared. Wily, Ganglia, AppDynamics, Dynatrace analysis is conducted for server-side deep dive analysis.
- Capacity planning : Presenting calculated assessment based on requirement workload and demand of application and helping project team to provision non-production and production instances for desired volumetric needs.

Senior Performance Engineer, **Cognizant Technology Solutions**, Pleasanton, CA

Nov 2015 - Dec 2021

- Non-Functional Requirements Gathering: Interacting and discussing with the Business Team, Application Development team to obtain and understand all the requirements on the performance testing arena.
- Investigating application architecture documents, discussing non-functional requirements, and agreeing upon the Performance Test Strategy
- Conducting Performance Impact Analysis of the changes, defect fixes based on the information received during requirement gathering.
- Environment set up: coordinating with various support teams to have the environment and monitoring tools set up for performance testing activities.
- Creating NFT Strategy: Test plan document with detailed description about the various types of performance testing to be carried out, the test scenario details, the user load distribution pattern and the project timeline, which talks about the schedule for each of the performance testing phases.
- Developing Performance Test scripts: All the business-critical flows are scripted using the JMeter and Loadrunner.
- Conducting Performance Tests: Synthetic Monitoring, Load test, stress test, Endurance test
- Owning Performance Bottlenecks Analysis and Report Presentation: Analysis of both client and server-side statistics is conducted and detailed reports about the test executions are prepared. Wily, Ganglia, AppDynamics, Dynatrace analysis is conducted for server-side deep dive analysis.
- Metrics collation: Collating the entire project related metrics and presenting to stakeholders; preparing weekly status reports and dashboard.
- Emulated IVR inbound/outbound calls and replicate customer and operator operations using Cyara and Hammer DTMF logs, interact with an interactive voice menu, and measure line quality.

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- Develop load scripts to emulate the behavior of the call center's customers IVR (calls, web activity, email, instant messaging, screen sharing), using load testing tool LoadRunner. After these scripts are written and the parameters are set, they are used to generate a load that corresponds to the required number of customers.

Senior Performance Engineer, **Synechron Technologies**, Pune India

Mar 2013 - Nov 2015

- Collecting and analyzing Non-functional requirements and defining framework for performance engineering for Multi-Tier architecture, Application Platform and Technologies - Java, Unix, Linux, Mainframe applications
- Develop Performance Test scripts: All the business-critical flows scripted using the LoadRunner tool.
- Conducted Performance Test: Early Performance Test, Load test, stress test, Endurance test
- Performance Results Analysis and Report: Analyze both client and server-side statistics and prepare detailed reports for test executions.
- Metrics collation: Collated the entire project related metrics and presented to stakeholders; prepared weekly status report and dashboard.
- Scripting as per requirement and follow the performance testing process using Vugen. (Manual correlation and Automatic correlation)
- Application migrated successfully from Silverlight to HTML5
- Tests performed: Load, Stress and Endurance Testing using Performance Center.
- Monitoring data using HP Site scope tool.
- Provide Performance Results Analysis and prepare Report: analyze both client and server-side statistics and prepare detailed reports about the test execution

Performance Engineer, **Accenture Services**, Pune India

Dec 2009 - Feb 2013

- **Client** : Volkswagen Group - House of After Sales
- Build a repository of historical test results and analysis for analyzing trends over a time.
- Creating Script (Recording and enhancing/debugging of script using Vugen) as per requirement and followed the performance testing process.
- Created 2 tools: for report Performance Test Execution Report generation (using Excel macros) and one GUI based tool for converting text from PDF to XML file (developed using PERL) which was used by the functional team which reduced their testing efforts by 70%.
- Involved in the execution process by using the Performance Center. Monitoring data using HP Site scope tool.
- Raising performance related defects in the ALM tool.

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