JYOTI SINGH BAGHEL

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SUMMARY

- 7 years of IT Experience in Performance Engineering.
- Involved in End to End Performance Engineering. This includes requirement gathering, Performance Scope & planning, Environment Setup, Scripting, Test data & configuration setup, Execution, Monitoring, RCA & Performance Tuning, providing a stable Golden build to Production and Providing after Production Performance support as well.
- Experienced in Scripting through Jmeter and Grinder
- APM proficiency with tools like AppDynamics, Dyna Trace, Grafana, IBM Thread/Heap analyzer etc
- Able to perform all kind of Performance Tests viz Peak load test, Stress Test(System breakpoint testing), Soak test(Reliability Test), Network bandwidth testing etc
- Performance optimal Deployment Diagram(Distribution of Java plugins, Infrastructure & H/W skeleton)
- Can handle performance of different kinds of Java processes (JVMs) such as Apache, IBM, Oracle and JROCKIT JVMs. Also involved in Host level resource utilization monitoring.
- Have knowledge on various connection poolers such as IBM WAS Connection Pool, Oracle JDBC Connection Pool, Apache Tomcat Connection Pool and JBOSS Connection Pool.
- Worked on FE Monitoring of On Premises(Jetty based), AWS, Kubernetes, Google Platform, Openshift (LAE), CCIX, P10, WebLogic environments.
- Have experience on API, SSH Command, UI, Engine (Heavy Grid Jobs), Integration Performance Testing and Analysis.
- Worked on Telecom, Supply Chain and Network Security Domain.
- Hands on experience in Java Spring Development of 5 months.

OBJECTIVE

Aspiring for career enriching assignments in **Performance Engineering** with a growth-oriented organization.

ACADEMICS

Examination	School/ College	Board/ University	Year of passing	Percentage
B.E.(CSE)	J.N.C.T.	R.G.P.V.	2012	70.33%
H.S.S.C.E.	A.C.C.H.S. SCHOOL	M.P.B.S.E.	2007	86.67%
H.S.C.E.	A.C.C.H.S. SCHOOL	M.P.B.S.E.	2005	83.60%

TECHNICAL SKILLS

Operating System	*Microsoft Windows(until 10), Linux(until CentOS 7)*
Language	*C, C++, Java, HTML, JavaScript, CSS, Shell Jython(Basics)*
Database	*MongoDB(Performance & Infra aspects), MySQL, PostgreSQL, Oracle*
Tools	*Jmeter, Appdynamics, Dyna Trace, Grafana, Jprofiler, YourKit, Microsoft Visio, Adobe XD, Robo 3T, Grinder, VMware vSphere, OEM, SolarWinds, Amazon CloudWatch, Oracle SQL Developer, JMX, Firebug, Mule Soft, IBM&Oracle GC Analyzer, Eclipse MAT, Oracle Thread Dump Analyzer, Toad for Oracle 12, Layer 7, Mashery, ITCAM, JAVA Visual VM, Splunk, mRemoteNG, MTPuTTY, WinSCP, Perforce,*
Others (Basic Knowledge)	*JIRA, Jenkins, GitHub, Openshift, Cygwin*

PROJECT

Employer #3: AppViewX, Inc., Coimbatore

Project Title – QA Performance Engineering (Product & Customer)
Role/Designation – Performance Engineer/Senior Software Engineer I
Description – Working as a single stop solution for Product as well as for Customer bugs/Customer side projects. Being the sole owner, for performance department, has often got opportunities to set up test labs, jot down Deployment Diagrams, complete Technical

Documentations of Performance projects, own RnD for better performance tools(Recently brought Apdex & App Dynamics into organization), streamline processes etc.
In available bandwidth, working for sister company Payoda's performance projects as well.

Duration – May'19 to till last date

Employer #2: One Network Enterprises, Inc., Pune

Project Title – Product and Development Services for Real Time Value Network
Role/Designation – PSR/Software Engineer II
Description – Working here for 4 modules in parallel. These modules are basically Planning phase of Supply chain Domain. While handling these modules I need to take care of Performance of UI, Engines and Integration. We need to provide an End to End Performance solution for these modules.
At the same time, we need to set up the PSR environment by ourselves.

Duration – Nov'16 to April'19

Employer #1: Tata Consultancy Services, Bangalore

Project Title – EDPS FE Performance Tuning
Customer – Cisco Systems
Role/Designation – Java FE Performance Engineer/System Engineer
Description – We were working to enhance the performance of the Java applications in 2 ways:
   I.   **Before Production:**
   1. Monitoring: We monitor the application behavior by keeping watch on JVM parameters such as Heap utilization, CPU consumption, GC Overhead, Connection Pool Utilization, Errors and Exceptions and Response Times by pushing the expected load to the application in Load testing environment.
   2. Tuning: After this load test we analyze which JVM parameter is a bottleneck for application performance. Once we nail down the root cause, we tune the parameter accordingly so that application can perform optimally.

   II.   **In Production:**
   1. Analysis: When we get any production issues, we first analyze the issue to find RCA
   2. Tuning: Once we get the RCA, we provide recommendation accordingly

Duration – Sep'14 to Nov'16

Project Title – Global Procurement System
Customer – TCS Internal
Role/Designation – Developer/Assistant System Engineer

Description – Developed an automated tool to handle Procurement system for TCS with the help of Spring Framework, Core Java, PostgreSQL, HTML, CSS, JSTL and Javascript. We used tools like SQL Server 2008, Eclipse IDE, Dreamweaver and Spring Tool Suite. We have used MVC Architecture Model and Three Tier Architecture methodology in this project.

Duration – Oct'13 to Feb'14

ROLES AND RESPONSIBILITY

- Main Responsibility as Performance Engineer.
- End to End Project ownership from planning to Performance report delivery.
- NFR scope identification, WLM, Detailed test suite preparation, Build test environment, create data load scripts and create test data with the help of these scripts, Scripting, Test strategy planning, Execution, Performance bottleneck identification, Results and analysis, Performance report
- Deployment diagram – Requirement gathering, analysis, Deployment diagram preparation and delivery, Visio representation of infra
- Customer specific Performance suite planning and execution without any APM tool
- Own Performance testing betterment with better tool, less error rates, robust & reusable scripts, concrete load planning, accurate test data & user friendly reporting
- Preparation of Performance Execution with respect of type of PSR:
  - Engine PSR: Loading Engine Config in DB, Configuring Engine Threads, Preparing Data.
  - Integration PSR: Configuring Message Source Poll, Message Queue and Message Route, Preparing Inbound interface data file for Integration PSR.
  - UI PSR: Preparing data for UI Script Recording.

- Performance Execution of Engines (Thorough UI or JMX) and Integration Files through drag and drop method via WinSCP.
- Understanding each and every component of application deeply before going to test the application performance.
- Providing the recommendation to enhance the application performance at possible least business cost.
- Making application team understand the effect of a particular performance blocker on their application.
- Be attentive on our Production Support duty roster for any kind of Production issues. Immediately respond and try to provide the best solution for any particular production performance issue.
- Maintain the data privacy for all applications coming for performance testing.

- Co-coordinate with all the teams involved in Performance testing e.g. Application Team, PM team, Third Party (Such as Lab team) etc.
- Always follow the timelines given by our customers.
- Always try to enhance my learning curve by every possible way on either technical or Soft skills side.

ACTIVITIES, INTERESTS AND ACHIEVEMENTS

- Got pet on the back for Customer side Performance project
- Got Rising Star Award for outstanding performance for Cisco Client as a beginner.
- Got several client appreciations on the recommendation I have provided to enhance performance of many Java applications.
- Actively participated in singing and debate events and received applauds.
- Organized many Team Building Activities for intra and inter teams.
- Coordinated Volleyball matches in Annual Sportsfest of College 'Sportech 2011'.

HOBBIES

- Studying about new Technologies and Health
- Singing
- Playing Volleyball, Carom and Badminton

DECLARATION

I hereby declare that all the information given above is true to the best of my knowledge.

Date: **JYOTI SINGH BAGHEL**
Place: Katni