

Contact No: 91-9731344122

Bangalore

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Syed Tanveer Ahmed

Skilled IT professional, with deep performance engineering expertise across application tiers; currently working as **Senior Architect** at **Lowe's** (NYSE: LOW), looking for a challenging role in a growing organization, working on **product engineering and performance-based solutions and re-architecting** in on-premise and cloud-based enterprise applications in an agile environment.

Lowe's Companies, Inc. (NYSE: LOW) is a FORTUNE® 50 home improvement **product company** serving more than **18 million customers a week** in the United States and Canada.

Expertise and Software Skills:

Skill Set: Java/J2EE, IBM Websphere Application Server, Message Broker, IBM MQ, JBoss Fuse, Apache Camel, ESB, CFX, Oracle Weblogic, Struts, Tomcat, MongoDB, RabbitMQ, ProgressDB, Webspeed Brokers, Python, Plone, Zope, Jmeter scripting and Shell scripting.

Developments Skills: Java/J2EE, Struts, weblogic, Oracle 9i, 10g, 11g, 12c, Oracle-RAC setup, DB2, SOAP and Rest, IBM Rational QA tools. Setting up BigData and Hadoop. SAP HANA, BOBJ, WebI reports of EBI, SQL Server.

Benchmarking Experience: SPECJbb2005, SPECJbb2013, SPECJEnt and WAS DayTrader3.0

Profiling Tools: Jprofiler, Jprobe, AppDynamics, Zabbix, Willy Intrascopes, SQL profiler, Oprofile, Perf, PMU, Tprof, Riverbed, Catchpoint, Boomerang, OEM.

IBM tools: IBM Support Assistant, JVM heap Dump and Core/Thread dump Analyzer, GC Log Analyzer.

JVM Benchmarking & Sizing: IBM J9 JVM, Oracle Hotspot JVM, Oracle Jrockit JVM, Open JDK.

Hardware servers worked on: Intel Sandy Bridge, Ivy Bridge, Power P series (P6, P7/P7+, P8) Oracle SPARC T & M - series, HP-Proliant, Superdoms, Blade Servers, Pivotal Cloud Foundry, Sales Force (SFDC).

Employment History and Key Projects:

Lowes (NYSE: LOW) | Senior Technical Architect [IC Role]

Jan 2019 – Present

Working closely with the **Product and Business team** to execute new product/features in it's most efficient form. I own the end-to-end tech engineering architecture, for which I dive deep into codes and work closely with various tech and business stakeholders.

- Handled huge system on Azure platform for **Add to cart and checkout modules**, which are the key for the business. Fine tuning, optimizing and benchmarking various components like D365, Retail Servers and Microsoft Sql as a service, Solr, fusion and zookeeper for search.
- Handled the big **Order Management system** IBM Sterling by providing the best practices in improving the Order capture, fulfilment and delivery. Achieved **1x and 2x volumes** to support the holiday readiness in terms of reliability, scalability and performance in terms of throughput, response time and also re-architecting the existing architecture to achieve scale out model and delivered Sterling.
- Handled supply chain product on on-prem and GCP platform for both read and write paths. **Scaled up to 10Million of transactions using Kafka** – Producer, broker, consumer and Cassandra as a database. Helped whole team in achieving the response time and expected throughput.
- Benchmarked JDA products for demand and TMS which by assessing the products and sizing them with the right capacity planning and sizing to achieve the response time and throughput.
- Handled EOR for the extended OMS to achieve better throughput from **1x to 5x volumes using microservices deployed** using dockers and containers for getOrderDetails and getOrderList using **Couchbase**. Below are the enhancements that it brought:
 - The ability for Pro customers and associates to have a quick and easy step allowing **sign ups** to LFP and Loyalty
 - A new **Offer Wallet** that will provide customer-centric offers to our Pro customers
 - The ability to **register a payment method as Loyalty** – which unlocks brand new omni-channel purchase history.
 - This is a **huge milestone for Lowe's** as it is a first-of-its-kind program and **our entry into Loyalty**. It will be the foundation of additional features moving towards our national rollout of the program in 2020 and will inform all of our teams as we move to capture more Pro-business.

Dell International | Principal Software Engineer [IC Role]

Jan 2016 – Jan 2019

- Handling the whole segment with 20+ applications and products and supporting all these segment applications with recommendations in terms of **Code, Config, Architecture, Scalability and performance based solutions**.
- Working across the different segments like Manufacturing, Finance and payment related backend applications, each segment has atleast 20+ applications coverage for performance tuning and sizing with proper benchmarking methodologies.
- Worked on various products of oracle - GTM, OTM, Coins. EBI - SAP HANA, BOBJ, Webi and TOLAP.
- Capacity planning and sizing of infrastructure.
- Creation of Predictive Analytics Dashboard using Tableau
- Performance Tuning of applications in JAVA/J2EE
- Collaboration with other teams to help them in fine tuning and solve the Java Performance issues.
- Awarded with “Dell champion award” for excellent technical and leadership skills.
- Awarded with Silver and Bronze awards as part of quarterly based performance
- Published the technical White Paper which identifies the difference in VM vs Physical servers in terms of response time and throughput.
- Involved in Automation and creating ideas and implementation for Machine Learning and Artificial Intelligence.
- Creation of performance metric dashboard to monitor the live performance of any product using Splunk and Foglight.
- Providing technical inputs and direction for WFA tool – work force automation and Continuous integration.

Altisource Labs | Lead Performance Engineer

Jul 2014 – Dec 2015

- Scaling engagement from 2.4M to 7M Loans
- Sizing of hardware for products like OC, ACH, REALRemit, REO, RealResolution Suite, Webspeed brokers, Proxy-Gen. Infrastructure Sizing & Tuning of EOD Jobs on RealServicing and ProgressDB.
- Involved in JVM tuning of products like OC, ACH, RealRemit, REO.
- Involved in tuning the hardware which is Linux VM's and Solaris box with ProgressDB
- Monitoring, Analyzing, Tuning the RealServicing and Progress Database by enabling the system side metrics.
- Certify & tune REALResolution suite of products to for load corresponding to 7M loans in the system. The certification programs consist of below high level tasks:
- Activities across 15 different products
- Load pattern analysis for 2.5M production loans
- Load projections for 7M loans
- Gap analysis of production and ISTE environments
- Identification of use cases & corresponding transaction mix
- Workload modeling

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- Get the environment setup done by QA and validate the same
- Design load and soak tests w.r.t individual environment as well as integrated environment
- Get QA to execute tests and provide various performance reports

Specific activities related to **REALResolution suite** of products:

- Baseline loan boarding process for each of the REALResolution applications
- Tune loan boarding process to match the production throughputs
- Baseline throughputs for each of the applications for load corresponding to 2.5M loans
- Optimize each of the products to perform and scale for loads corresponding to 7M loans in the system as well as to sustain during an 8 hour soak run
- Provide tier-wise recommendations for each of the applications for HLB, webserver, application server, oracle database, dependent components, and hardware resources

**IBM India Private Limited ISTL
(Software Defined Systems) | Advisory Software Engineer**

Nov 2011 – Jul 2014

- SPECJbb2005 Publish on Power Servers
- SPECJbb2013 Publish on P8 Servers and a committee member
- SpecJEnt Publish on Power servers using IBM WAS Day-Trader using DB2
- Lead Performance efforts of Java workloads P8 JVM performance
- P8 – Java Performance Advisor tool
- P7/P7+ Leading the Java Performance
- Performance Engineering and resolving performance issues of customers like HDFC, FSS, Dialog, Bank of China, Bank of New York.
- Enable ISV on IBM Power Platforms and Software Technologies for 3i technologies, State Bank of India, Axis Bank and Infosys.
- Performance Tuning of applications in JAVA/J2EE
- Capacity planning, PREP, SOS activities
- Collaboration with other teams to help them in fine tuning and solve the Java Performance issues.
- Competitive Analysis between Intel (Sandy/Ivy) and Power Servers (P7/P7+/P8)
- Fine tuning different vendors JVM(Hotspot, J9, OpenJDK) on PLinux and P-Series.
- Awarded with “Eminence and Excellence award for Customer Engagements”

Published Technical White Papers at IBM

- Working with IBM ASO/DSO: a Case Study using Oracle Database
- Oracle Database 12c: container database and pluggable database basics

White Papers published:

<http://w3.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP102412>

<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP102412>

https://www-304.ibm.com/partnerworld/wps/servlet/ContentHandler/tech_WP102412

<http://w3-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/TD106196>

Customer Engagements:

- Role in helping out Oracle & HDFC folks to get rid of OOM exceptions which was happening due to heavy lock contention and large number of calls on yield. Customer has yet to implement those recommendations given in UAT environment.
- Our role was fixing the out of memory exception & JVM crash. Recommended JVM heap settings, GC policy and also analyzing the garbage collection logs.
- Our role was fixing garbage collection to happen so that the new objects would get a chance to get garbage collected and give the better performance. After our recommendation & analysis the customer could measure the performance before & after the recommendations implemented and concluded with 46% performance improvement.
- Our role was to make sure the performance is same as SOLARIS platform. Also to get the better throughput of all the applications compared to SOLARIS platform.

Hewlett-Packard

(Partner Technology Access center) | Tech Specialist

May 2010 – Nov2011

- ISV enablement on HP solutions
- Enable ISV on HP Platforms and Technologies
- Performance Tuning of applications in JAVA/J2EE
- Capacity planning, PREP, SOS activities
- Development in Java/J2EE projects
- Development in Python/Zope projects
- Responsibility for client interaction

Annexure Clients and Projects:

EMDEON	Jan 2010 – May 2010
ELAVON Lightning AVM	Oct 2009 – Dec 2009
AZ GDD IS Global S&M	Aug 2009 – Sept 2009
Kohl's - Pricing Perf. Enh	Jun 2009 – Jul 2009
IM DigiSec - Staff Aug	April 2009 – May 2009
FisherSci.com Dev Services	Feb 2009 – Mar 2009
RGICL-ECS-Development	Dec 2008 – Jan 2009
WellPoint ePortal Central 2.0	Sep 2008 – Nov 2008
Travelport Orbitz Java Devel	May 2008 – Aug 2008
Online Technical Information System (OTIS)	Oct 2006 - Feb 2008
Capital Appropriation Request (CAR)	April 2006 – Sep 2006
Urban Exposure (UE)	May 2005 – Mar 2006
Credibility Alliance (CA)	Aug 2004 – April 2005

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Academics: B.E. Computer Science and Engineering

College	:	Kalpataru Institute of Technology
University	:	Vishveshwaraiah Technical University (K.I.T) Tiptur, Karnataka
Batch	:	2000 – 2004
Secured	:	70.3%
Intermediate	:	Bangalore University
