**Raju Rao D**

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**Profile Overview:**

* 8+ years of IT Experience in Middleware Administrator and Windows/Linux System Administrator, worked with multiple flavors of Gnu/Linux (Redhat 5.x, 6.x, 7.x, Ubuntu 10.x, 11.x, 12.x, 13.x, 14.x, 15.x, 16.x), AIX, Solaris and Windows.
* Extensive experience in Installing, Configuring, Deploying, Administering, Patching, Tuning and Troubleshooting Application servers such as JBoss5.1/6.1/7.0,WildFly8, WebLogic 8.x/9.x/10/11g/12c, IBM WebSphere Application Server ND 6.0/6.1/7.0/8.0/8.5, IBM WebSphere Portal server 6.0/6.1/7.0/8.0/8.5, **WebSphere MQ** 6/7, Apache Tomcat 5.5/6.0/7.0/8.0 in UNIX, Linux and Windows environment.
* Expertise in Tuning of Application Servers by Dynatrace, Tivoli Performance Viewer, Wily and Compuware Vantage Analyzer like setting the dynamic cache size and setting the JVM heap size using collected Performance Monitoring Infrastructure (PMI) data.
* Experience in Installing, Configuring, Administering, performance tuning and Troubleshooting **Web servers** such as IBM HTTP Server, Apache Server, Nginx, Sun ONE and **IIS** Web Servers on multiple Linux, UNIX and Windows platforms.
* Involved in migrating the WebLogic application server from 10.x to 11g **and IBM WebSphere application server** from 6.0 to 6.1, 6.1 to 7.0, 7.0 to 8.0, 8.0 to 8.5.
* Strong experience in Administration and Maintenance of JBOSS, WebLogic Server, **WildFly,** WAS ND, Apache Tomcat Clusters (Vertical, Horizontal, and Hybrid) and deployment of applications in highly available, load balanced production environments.
* Experience with version control system GitHub to push and pull scripts for maintaining a centralized repository system and automate existing processes.
* Performed Installation, Upgrade, Patch / hotfix update of Sterling B2B Integrator, Sterling File gateway, Sterling Secure Proxy, Sterling Control Center, Perimeter servers.   Rich experience in Banking and Financial domain.
* Experience in using **Ansible** for automating Installations, Deployments, Configurations, Federating, Initializing, Stopping, Restarting multiple servers for increase in productivity and ease of administration tasks.
* Having Knowledge in Splunk
* Strong knowledge on creating **Jenkins jobs**, customizing and installing the **plugins**, scheduling and automating the Jenkins build, test and deployment process.
* Experience in Implementing a **Continuous Delivery** pipeline with Docker, Jenkins, GitHub and AWS AMI’s.
* Deployed J2EE components (EAR/WAR/JAR) on WebLogic Managed Servers using Administrative Console /WLST/auto-deployment scripts in various environments.
* Deployed J2EE components (EAR/WAR/JAR) on WAS 6.0/6.1/7.0,8.0,8.5,8.5.5 using WAS Admin Console, **shell/JACL/Jython** scripting.
* Executed Apache Tomcat and JBoss application setup on the respective application server’s configuration in development, testing and production servers.
* Troubleshooting production issues, worked on resolving Application Server Hang issues and High memory and CPU issues in WebLogic Server 10/11g/12c, WAS 6.0/6.1,7.0,8.0,8.5,8.5.5, JBoss 4.0/5.0, 5.1/6.1/6.2, WildFly 8, Apache Tomcat 5.5/6.0/7.0.
* Experience in Configuring, installing and maintaining the **SSL** Certificates for Application Servers (WebLogic, JBoss, IBM WebSphere and Apache Tomcat).
* Experienced in integrating WebSphere Application Server/Apache Tomcat/JBoss/WebLogic with Oracle 8i/9i/10g/11g, IBM DB2 8.x/9.x, SQL Server as its backend database.
* Experienced in working with Automated application deployment, startup, shutdown and enhancements using JACL/Jython/Shell Scripts(recycle the application server, deploy customer applications, log rotation, monitor applications state, etc)
* Involved in creating and configuring profiles, cluster, nodes and node agents for WebSphere, WebLogic Application Servers.
* Experience in configuring Database (Oracle-8i/9i/10g/11g, IBM DB2 8.x/9.x and SQL server) and LDAP Server (IBM Directory Server).
* Experience in collecting and analyzing Garbage Collection thread dumps and heap dumps for performance related issues of JVMs.
* Proficient knowledge in all critical phases of software development life cycle methodologies such as Agile, RUP and Waterfall for performing requirement gathering, system analysis, functional requirements, system design, development, testing, deployment, maintenance and support.
* Configured Recourses Including JDBC providers, Data Sources, Connection pooling, JMS providers Virtual host, Global Security, SSL, MSSL and LDAP on WebSphere, WebLogic, JBoss application servers.
* Configured **IBM MQ** resources like JMS Queue Connection factories, Queue destination factories and listener ports.
* Experience in Setting up Virtual Hosts on Web server, configuring aliases and re-write rules.
* Experience in troubleshooting, applying patches like refresh packs, fix packs, cumulative fix packs and plug-in for WebSphere, WebLogic application servers.
* Worked with **WebSphere Portal** GUI for deploying portlet applications, creating pages, adding portlets to page and access control list.
* Involved in customizing portal applications and administering users, pages, and portlets.
* Involved in tuning, security, backup, recovery and upgrades of WAS on IBM **AIX**, **Linux** and **Windows**.
* Experienced in installing administering Application Server clustering configurations in different topologies on platforms (Linux, Unix, Windows) by using shell scripts and providing On-call Production Support (24x7), monitoring and maintaining multiple Applications in environments like Development, Staging, QA, ITF, MTF and Production. .
* Experience in integrating and configuration of various **LDAP** servers like Microsoft Active Directory, Apache Directory Server, CA Directory server and Sun Java System Directory server.
* Extensive knowledge and experience in **PMR** management and strong knowledge of Service Oriented Architecture (SOA)RCA and performance tuning any Apache Tomcat, JBOSS and WebSphere application server related issues for Java applications with different topologies.
* Experienced in analyzing application problems using tools IBM Tivoli performance Viewer, CA wily Introscope, Vantage analyzer and IBM Support Assistance.
* Experience in implementing LDAP security models using Sun One LDAP and IBM Tivoli directory Server.
* Hands on experience in latest JBoss and Apache upgrade to all development, testing and production servers.
* Hands on experience in troubleshooting the Application server (WebLogic, JBoss and IBM WebSphere) issues with the help of the Log files.
* Administering WebLogic Admin Console by setting appropriate roles like Administrator, Configurator, Monitor, Operator roles to LDAP users.
* Strong knowledge on installing, configuring, maintaining and administrating the SSH, NTP, NFS, FTP, TFTP, Kickstart, Open LDAP Server, LDAP client with AutoFS, Webservers (Apache (HTTPD), IBM HTTP), Mail services (SMTP, IMAP, POP3) and Database services (IBM DB2, MS SQL, MySQL, PostgreSQL, Oracle) on Linux servers in both production and non-production environments.
* Deeply involvement in Installations, Configurations, Integrations, Tuning, Backups, Upgrades, Patching, Monitoring System Performance, System and Network Security and Troubleshooting of many Gnu/Linux and Windows servers in both production and non-production environment.
* Good familiarity with RPM based distributions which include Redhat, CentOS, Fedora, and Open-SUSE.
* Involved in Troubleshooting and diagnosis of networks with tools and utilities like traceroute, nmap, tcpdump, iptraf, host, dig, nslookup.
* Strong knowledge on Installing, configuring and maintaining network monitoring and analysis tools like Nagios and Cacti.
* Ability to work on multiple tasks and deliver the results within estimated budget and time.
* Expertise in technical and functional with problem solving, communication, and interpersonal skills, with the ability to interact with individuals at all levels.

**Technical Skills:**

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| **Operating Systems** | Windows NT/2000/2003/2008 server, Unix, IBM AIX /4.3/5.1L/5.2,6.1, GNU/Linux (Redhat 7.0, Ubuntu 16.04), SUN Solaris 5.8/5.9/5.10. |
| **Webserver** | IBM HTTP Server 6.0/ 6.1/7.0/8.0, Apache Web Server 1.2.2/1.3/2.0/2.2.x/2.4, IIS 5.0/6.0, Sun-One Webserver 6.0/6.1/7.0, Microsoft IIS 7.0/7.5. |
| **Application Server** | IBM WebSphere Application Server 5.0/5.1.x/6.x/6.1.x/7.x/8.0/8.5, Portal server 6.x/6.1/7.0.x/8.0/8.5, Apache Tomcat 5.5/6.0/7.0, WebLogic 8.x/9.x/10.x/11g/12c, WildFly 8.x/9.x, JBoss 4.x/5.1/6.x/7.x. |
| **LDAP** | Microsoft Active Directory, Apache Directory Server, CA Directory, Sun Java System Directory server |
|  | IBM MQ Series 5.3/6.x/7.0, Netegrity SiteMinder Policy Server 5.5, 6.0, RSA Aveksa-Identity Access Management, IBM Tivoli Access Manager WebSEAL, F5 BIG-IP Load Balancer, NetScaler Load Balancer. |
| **Network Protocols** | TCP/IP, UDP, HTTP/HTTPS, SOAP, SSL, SMTP, NFS, DNS, Custom Load Balancer designing, Cable Crimping abilities, LAN, TCP/IP, Ping, Iperf, Configuring Desktop/Network Printers. |
| **Monitoring Tools** | Nagios, Solar Winds, Cacti, CA Wily introscope 7.x/8.x, Tivoli Performance viewer, Vantage analyzer. |
| **Database** | Oracle 8i/9i/10g/11g/12c, DB2 /8.1/9.x/10.x, SQL Server 2005/2008. |
| **Scripting** | Shell Scripting, HTML, Python, Jython, Jacl. |
| **Programming Languages** | Core Java, PL/SQL, Perl, C, C++ |
| **Cloud Providers** | AWS. |
| **Containers** | Docker, Kubernetes |
| **Configuration Management** | Ansible |
| **Deployments and Automation:** | Jenkins |
| **Version Control System** | GIT |

**Educational Qualification:**

Bachelor in Information Technology From Jawaharlal Nehru Technological University.

**Middleware Consultant**

**PSCU, St.Petersburg, FL. Oct 2017 to Present**

**Roles & Responsibilities:**

* Installation, configuration and administration of WebLogic 8.x/9.x/10.x/11g/12c, IBM WebSphere Application Server 8.0/8.5, IBM WebSphere Portal Server 7/8.5, Apache Tomcat 7.0/8.0, Apache 2.2/2.4 and JBoss 6/7, on Solaris, Linux and Windows platforms.
* Writing shell scripts and Ansible playbooks to automate binary installations, profile creation, and federation of standalone application profiles to deployment manager.
* Used GIT to push and pull scripts for maintaining a centralized repository system for automating processes.
* Used Jenkins to automate build processes in lower and Production environment.
* Automated installation, configuration, initializing, Stopping, restarting web and application servers using Ansible.
* Worked on the wasadmin scripts to deploy the application in WAS and Portal.
* Evaluation of new products, services and technologies with a focus on adapting them for planned migrations and new deployments.
* Installed standalone application server profiles and federated the same to Deployment manager console using Ansible.
* Installing/deploying applications (WAR, EAR) in development, integration testing and production environments and application specific JVM Settings for optimizing the performance.
* Configured nodes to Vertical, Horizontal and Hybrid cluster formations for enabling failover and high availability of deployed applications.
* Worked on WLST, wsadmin scripts to deploy the application on WebLogic Server, WAS and Portal Server.
* Experience in monitoring middleware products through SCOM, SPLUNK and Dynatrace.
* Worked on WebLogic, WebSphere and Apache upgrade in development, testing and production servers in Production and Non-Production environments.
* Worked on JBoss and Apache upgrade in development, testing and production servers in both Production and Non-Production environments.
* Performed Apache /WebSphere/JBoss tuning and JVM optimization.
* Defined Virtual Hosts on Apache Web Server, in addition to configuring aliases and re-write rules.
* Experience in monitoring middleware products through SCOM, SPLUNK and Dynatrace
* Installed Dynatrace, Wily performance centre and enabled Wily Agent on WAS in performance testing, tuned the applications performance by emphasizing on JVM heap size, CPU utilization, JDBC connection pools, Garbage Collector, Web container threads, Servlets performance, response time alerts and thresholds.
* Configured F5 BIG-IP Virtual Servers in Development, Testing and Production environments.
* Applied fix packs on a timely basis on application servers.
* Migrated WebSphere 7.0 to 8.5 using waspreupgrade and waspostupgrade tools and JBoss Application Server from 6.0 to 8.0. (WildFly).
* Troubleshoot & debug issues related to WebLogic, WebSphere, JBoss, Apache Web Server and Apache Tomcat application servers.
* Responsible for defining, administering, and maintaining Queue managers, Queues, Channels, and other MQ Objects.
* Configured database settings to WebSphere/JBoss Application Server through JDBC Providers, JDBC Data Sources, and Connection Pools for backend connectivity to Oracle 11g/12c and DB2.
* Implemented RSA Aveksa 6.9 and 6.9.1 on WebSphere 8.x, Apache Tomcat 8.0, WildFly 8 in both Production and Non-Prod environments.
* Applied RSA Aveksa patches (patch 01/02/03/04/05 and patch 06) on 6.9 and 6.9.1 version.
* Worked with IBM and RSA on P1 severity issues, exchanging information through PMR and RSA tickets and closely working with IBM and RSA on resolution of hung threads due to high load conditions.
* Involved in setting up JVM tuning parameters after extensive R&D on trial & hit basis – specifically parameters to enable inter core-group communication (for effective Work Load Management) such as (cluster preload, xgcthread) garbage collection.
* Attended team meetings comprising of representatives from different departments to discuss and contribute towards new implementations, architectural strategy and task accomplishment.

**Environment:** IBM WebSphere Application Server 6.0/6.1/7.0/8.0/8.5, WebLogic 8.x/9.x/10.x/11g/12c, Apache Webserver 2.2/2.4, WildFly 8.x/9.x, JBoss 4.x/5.1/6.x/7.x, GITHUB, Jenkins, Ansible, Apace Tomcat 7.x Oracle 11g/12c, DB2, IHS Webserver, IBM DB2, JDBC, EJB, XML, HTML, Apache, LDAP, Microsoft IIS 7.0/7.5, GNU/Linux, Windows

**WebLogic Administrator**

**Pacific Gas & Electric Company, San Francisco, CA. Oct 2015 to Sep 2017**

**Roles & Responsibilities:**

* Installation, Configuration, administration and troubleshooting of IBM Weblogic Application Server 6.1/7.0, IBM MQ 6/7, Apache 2.2/2.4, IHS 6/7, JBoss 5/6 on Linux and Windows Platforms.
* Involved in Installing, configuring, administrating and troubleshooting of Microsoft IIS 7.0 services.
* Involved in migrating the IBM WebSphere Application Server from 6.1 to 7.0 and JBoss Application Server from 5.x to 6.0.
* Implementation of Workload Management (WLM) through the clustering techniques such as horizontal, vertical and hybrid cloning for failover and high availability.
* Deploying the application (EAR, WAR) in development, integration, testing and productions environment and configuring the application specific JVM settings for optimized the performance.
* Created and configured f5 BIG-IP VServers and implemented on all development, testing and production environment services.
* Implemented SSL and MSSL setting and configure certes on WebSphere, JBoss, WebSEAL and F5.
* Performed WebSphere tuning, administrative repository tuning and JVM optimization.
* Extensive experience in creating and troubleshooting of JDBC connections and JMS.
* WebSphere and JBoss application setup on the respective application server’s configuration on all development, testing and production environment servers.
* Troubleshoot & debug the issues in the applications deployed in WebSphere and JBoss.
* Experienced in using Verbose GC for garbage collection and tuning Heap size to reduce memory leakage.
* Worked in analysis of thread dumps, core dumps, server hang and high CPU utilization conditions.
* Technical SME/POC for IBM Sterling B2B Integrator, IBM Sterling SecureProxy, IBM Sterling External Authentication Server, IBM Sterling control Centre, GlobalScape and IBM Connect:Direct.
* I was part of GIS Upgrade project. We upgraded from GIS4.3 to Sterling 5.2.5 successfully along with SSP, SEAS, and SCC applications.
* Monitored error logs, fixed problems and tuned parameters in WebLogic environment.
* Monitoring the Application Servers environment like resolving memory issues, disk space issues, troubleshooting the issues with the help of the log files and etc.
* Integrated oracle, DB2, SQL Server DB, IBM MQ and CA Wily Introscope to JBoss application server and deployed J2EE application using scripting and hot deployments.
* Involved in installing the fix patches for WebSphere Application Server.
* Troubleshooting errors both Application & JVM also analyzed heap/core plus error logs – configured tuned JVM for optimum performance.
* Integrated Experienced in setting up integrated security access to the portal and Single Sign-On to other applications.
* Involved in configuration of WebSphere Application Server resources like JDBC Data Sources, JDBC Providers and Connection Pooling to connect to the oracle11g and DB2.
* Configured IBM MQ resources like JMS Queue Connection factories, Queue destination factories and listener ports.
* Configured Virtual host, Global Security, SSL and MSSL.

**Environment:** Windows, Unix, Gnu/Linux(Redhat 7.0), Sun Solaris, JBoss 5/6, IBM WebSphere Application Server 6.0/7.0, IBM WebSphere MQ 6.x/7.x, IBM Directory Server, IIS Webserver, Apache Web Server, WebSEAL 6.x/7, F5 BGI-IP, Apace Tomcat 7.x, Oracle 11g/12c, DB2, Adobe CQ/AEM, IHS Webserver, Microsoft IIS 7.0.

**Middleware Consultant.**

**AT&T, Redmond, Washington. Aug 2013 to Sep 2015**

**Roles and Responsibilities:**

• Working and supporting on continuous integration on Jenkins, maven, Git for Amazon EC2 deployment instances on cloud computing and store the build artifacts in S3 bucket deployment.  
• Supporting for Git version control system merging, hooks, branching the files and creation of repos.  
• Supporting trouble shooting for Build and Release deployments in Dev, QA and Pre-Prod environments.  
• Good in resolving C/C++ errors while making a Build.  
• Use automated scripts based on Shell and Python for Automation.  
• Working on Amazon EC2 cloud computing Ubuntu Linux, tomcat application deployment using chef supporting on chef recipes with cloudops / TechOps team of configuration management.  
• Supporting Maven multi module builds and store artifacts in remote repository in artIfactory.  
• Jenkins administration to user access credentials, deployment email notification configuration for new users and using matrix plugins to manage Jenkins.  
• Supporting configuration of Jenkins Build pipeline jobs, plugins installation with team for configuration of maven multi module jobs, free style jobs.  
• Application deployment and data migration on AWS.  
• Experience deploying and operating AWS, specifically VPC, EC2, S3, EBS, IAM, ELB, Cloud Formation and Cloud Watch using the AWS console and AWS CLI.  
• Experience in developing Cloud Formation Scripts for AWS Orchestration.  
• Troubleshooting and performance tuning issues with applications like Oracle 10g, MySQL 5.x and Java Applications on operating systems which included RHEL.  
• Involved and working in Agile Methodology (Rally), Change management, Release management, SCM, and used tools service now.

**Environment:** Ubuntu, WebLogic, SVN, Maven, ANT, IIS, LINUX, XML, Power Shell, Shell Scripts, Python, Jenkins, Apache Tomcat, AWS, GIT, Puppet

**IAM Engineer:**

**P3 Technologies, Hyderabad, India Aug 2011 to Jul 2013**

**Roles and Responsibilities:**

* Installation and configuration of **Oracle Identity Manager (OIM) 11g**, Oracle Access Manager (OAM) 11g, WebLogic 10.3.6 and SOA Suite for deploying identity management stack, Oracle Directory Server Enterprise Edition (ODSEE) 11g.
* Implemented and customized **Oracle Identity Manager (OIM) (11gR2)** and Oracle Access Manager (OAM) according to client infrastructure requirements.
* Developed a custom file connector to reconcile data received from the target source SVP and load it into OIM as well as provisioning functions.
* Deployed OIM for a 50k user environment, running on **WebLogic 10.3.x** stack. Included connectors to Active Directory (with password sync), ODSEE, and Oracle e-Business Suite.
* Implemented request workflow for all objects managed within the IDM system.
* Extended the connectors functionalities to reconcile additional information from HR Systems.
* Deployed OIM Flat File, Out of the box connectors for outgoing feed.
* Fine-tuned WebLogic configuration and OIM & OIM configuration for optimal performance.
* Part of team involved in installation and configuration of Enterprise SOA Suite on WebLogic stack, and Portal Servers, Oracle Service Bus Domains and Clusters.
* Developed and configured the Roles with access policies to provision the users into the LDAP Group in OID.
* Provided production support for IDM stack and Carried out unit testing, UAT, integration testing.
* Configured and developed Single Sign-On (SSO) login page.
* Configured, deployed and integrated webgate with OHS instance.
* Worked on creating configuration for criteria based provisioning, membership rules and access policies.
* Performed Integration Testing for custom Self Service Password Management.
* Performed Unit Testing for many Target Ads with all Resource Forms including their attributes as per requirements.
* Analyzed and documented (both existing and potential) solutions for User account provisioning/ De-provisioning, Enterprise directory services.
* Determined monitoring requirements to ensure system availability and assist in their implementation.
* Performed User Acceptance Testing demos for Full Time Employees using Star Source feed.
* Performed identity management tasks for users including Reconciliation, Provisioning, de-Provisioning.
* Created IT Resources for Trusted and Target Applications.
* Installed prebuilt and customized connectors and deployed application instances.
* Provided 24/7 support during implementation, integration and production stages.

**Environment**: Oracle SOA Suite 10g, Oracle BPEL, Oracle ESB, OC4J SOA Suite., WebLogic, Developer, Putty, Linux, Microsoft ILM, PeopleSoft, E-Business Suite, Unix, UML, ESSO 11g, Oracle 10g, MySQL 4.x.