## Sunil Kumar Valluri

# Professional Summary:

Over 12 years of experience in the IT industry, with more than 9 years of extensive experience in Middleware Administration and Designing **E**nterprise **A**pplication **I**ntegration Process Management. To obtain a challenging position in Middleware administration, engineering/Infrastructure team where my experience can be leveraged and keeps me on the edge of technology learning curve and potential for career development as well as success of organization

* Close to 12 years of experience in the IT industry, which includes demonstrated work experience in the analysis, design, installing, system study, testing, implementation, writing specification and maintenance Knowledge for enterprise wide security application using WebLogic Server, Apache, JBoss, Sun One Webserver, Portal, Netegrity CA Siteminder under heterogeneous environment consisting of AIX, Red Hat Linux 5.8/6.3, HP-UX, SUN Solaris 8/10, Windows NT /00/03/08.
* Experience in installation, configuration, performance tuning and maintenance of WebLogic 8.1/9.2/10.0/10.3/11g/12c and with JDBC, JMS, JNDI, SNMP and J2EE Services.
* Installing and configuring Websphere 8.x on various env’s
* Solid experience in installing and configuring Apache, Tomcat, Jboss, IPlanet.
* Involved in the migration of WebLogic Server from 7.0🡪 8.1🡪9.2🡪10.3🡪12c
* Implemented Weblogic, server procurement, routing, load balancing on AWS( Amazon Web Services ) cloud computing services
* Extensive working knowledge in J2EE (JSP, EJB, JDBC, JNDI, JMS, Servlets), Java Beans, RMI JavaScript, XML.
* Experience in configuration and troubleshooting issues related to Clusters in WebLogic 7.0/8.1/9.2/10.3/12c environment.
* Knowledge in configuring weblogic and apache with open ssl, and verisign cert that includes generating csr and requesting certs.
* Self-developed programmed tools in WLST and python for weblogic using WLST and front end as java. My tools are portable to use.
* Knowledge in installing / configuring JBoss/Weblogic integrating with Apache as front end.
* Experience in configuring (Sun ONE iPlanet, Apache, IIS) as proxies to WebLogic.
* Monitoring and Tuning weblogic server with in depth analysis of process, JVM, threads and GC.
* Extensive knowledge and experience in upgrading JVM’s, applying patches, service packs and recommending necessary security fixes.
* Experience in both clustered and non-clustered weblogic environments.
* Expertise with Application Deployment (ear, war, and exploded format), debugging and closely working with developers, DB admin and direct vendor like Microsoft, oracle, SUN.
* Authored tool that monitors the capacity of applications/servers using WLST and Java ssh libraries.
* Expertise in UNIX, LINUX, SOLARIS and Windows administration.
* Solid experience in developing and deploying the applications on multiple WebLogic Servers and maintaining Load balancing and High availability.
* Configured JNDI server as repository for EJB Home stubs, JDBC data source, JMS connection factories, queues and topics
* Knowledge on Plumtree portal 6.0 now called Oracle WCI 10.3 administration.
* Handling server security and network administration on both windows and UNIX servers.
* Experience in providing 24/7 application support for Production, QA, UAT and DEV environments on rotation basis within the team members.
* Installed Netegrity Siteminder 5.x web agent for windows/Unix and configured it for IIS, Weblogic and Apache.
* Configuration WARP and RAM as authentication providers for various J2EE apps.
* Applying patches to weblogic server using BSU.
* Experience in installation and configuration various monitoring tools like Sitescope, HPOV, LogWatch and Oracle Enterprise Manager.
* Being a middleware admin always needs to do research and play around with new technologies by configuring/installing third party software like Emptoris, Cognos, Orgchart, Documentum.
* Experience in integrating remote JMS server MQ Series with Weblogic server.
* Experience in creating and scheduling jobs using Autosys, crontab.
* Solid knowledge of different Databases like Point base, Oracle, DB2, Sybase and SQL Server, besides integrating them with applications Utilized Oracle 9i and 10G with TOAD to compose builds and assemble data
* Strong experience with building tools using various scripting languages like perl, shell, wlst, python that will bring efficiency and consistency for Production Operations.
* Worked on IT Assets Management (ITAM), which includes capacity planning, Tuning.
* Integrating and managing solutions with IIS, IPlanet LDAP, and Directory Smart single sign on
* Installing and configuring OAM webgate with Apache.
* Dedicated Registration Authority (RA) for all Verisign and Entrust Certificates for over 1,000 applications within the web-hosting group reducing time to production.
* Knowledge in SQL queries and troubleshooting issues related to JDBC connection pools.
* Installed and configured various Hardware Load Balancers like CISCO Catalyst 3560E, Nortel Alteon, and Crescendo’s Maestro for various applications.
* As an architecture upgrade, doing R & D on various tools like websphere 7.0, wordpress, sonic ESB, Actional, Apache SOLR.
* Good knowledge of software development methodologies and lifecycle. & excellent communication skills and a good team player.

# Relevant Experience:

## McGraw-Hill Companies—NYC, New York March 2012 – Present

### Sr. Weblogic Administrator / Solution Architect

#### Responsibilities

* Involved in all administrative tasks like Installation, Configuration, Deployment, and Troubleshooting of BEA WebLogic Application Server 10.3 / 12 c on Solaris and Unix platform
* Supporting applications hosted for Business critical domains like standard and poor’s, S & P Indices, Platt’s, and McGraw-Hill Education.
* Responsible for starting up, configuring, administering and maintaining the J2EE applications as part of the enterprise's computing/ networking infrastructure and Deploying applications
* Extensively involved in Tuning and Clustering of the Weblogic server 10 and 12c
* Deployed applications on multiple WebLogic Servers and maintained Load balancing, high availability and Fail over functionality.
* Installed & configured Apache Web Server with Tomcat/Weblogic/Jboss Plugin in various environments
* Working on websphere 8 deployments ,configuring and building new env’s
* Self-developed tools for weblogic using WLST and java as front end.
* Currently learning and working on cloud computing concepts and using AWS (Amazon Web Services) modules such as routing, load balancer, server procurement.
* Monitored and tuned TCP/IP, MQ queue depth, JVMs, JVM heap size, garbage collections, Java stack and Native thread depending on L&P Testing results and production performance
* Performed day-to-day tasks to ensure the smooth and efficient operations of the WebLogic run time environment including troubleshooting, system back up and recovery etc.
* Responsible for analyzing and troubleshooting all WebLogic related issues reported by the clients in different environments like Dev, UAT, Prod and DR environments.
* Creation of SSL and Digital Certificates for requesting, generating and implementation for the communication between Web server and the Application Server
* Involved in bridge calls with other team members and developers for resolving the high priority issues in the Production Environment
* Involved in full life cycle of the project, tracking bugs and fixes for diagnosing the application server problems
* Weblogic Architect from designing to Go Live for S&P integration with Dow Jones.
* Coordinated annual disaster recovery testing for 1000+ web based applications ensuring production failover.
* Configured JNDI server as repository for EJB Home stubs, JDBC data source, Multi DS with RAC configuration, JMS connection factories, queues and topics
* Knowledge of all phases of Software Development Life Cycle (SDLC) with good designing, coding, testing, debugging, and troubleshooting skills, UNIX/Linux/AIX/HP-UX, Tuxedo, Full SDL C and Build Release Management, Project Mgmt, Oracle/RDBMS Design and Development
* Implemented standard backup procedures for both application DB and WebLogic administration DB
* Configured wordpress to work with Apache webserver for various Dow Jones Blogs
* Configured Actional Server with Sonic ESB integration.
* Involved in Performance tuning of WebLogic server with respect to heap, threads and connection pools, row prefetch , garbage collection to make the application highly scalable and worked with Oracle and SUN team in few cases
* Involved in configuring the Security using LDAP for different levels of access at the site
* Developed, Modified and executed the ANT, SHELL, WLST, Python and Jython scripts responsible for administration and maintenance process of the weblogic server 8.1 & 10.
* Configured apache as proxy to weblogic servers on *UNIX*/Solaris platform
* Implemented security and configuration of LDAP, Netscape Directory Server, Site Minder single sign-on configurations
* Provided on call 24x7 support on a rotation basis for business critical applications.

**Environment:** Weblogic 10.0,10.3/11g/12c,AWS cloud computing service, Apache 2.x, JMS,ANT , Oracle 10, MS SQL Server,J2EE,JSp,Servlets,EJB,JRockit 28.2.5 ,Microsoft Outlook 2010,NETCOOL,Windows NT 2003/2010,AUTOSYS, Sun Solaris 8, 10,Shell/Perl Scripting JavaScript, Oracle 9i ,10g,PL/SQL,JProbe,F5 BIG-IP Load Balancer, IIS, Plumtree portal 6.0, 6.5, JDK1.5, 1.6, JConsole, MQ Series,Wordpress, Tomcat, Apache solr 3.1, Actional Server with Sonic ESB integration.

## Comcast—Reston, Virginia April 2011 - March 2012

### Web & App Hosting Administrator/ Middleware Support

#### Responsibilities:

* As a middleware hosting team regular activities involves business critical clusters that encompass middleware technologies like weblogic, Jboss, apache, on rotation basis within the team members.
* Performed Installation, Configuration, Deployment, Performance Tuning and Troubleshooting of various middleware applications.
* Configured Weblogic resources like Clusters, JDBC, JMS Queues and Topics for high availability in a clustered environment spanning across different Data Centers.
* Monitoring various applications in all the env’s, using monitoring tools like sitescope and Maestro.
* Builds on various repositories and automated scripts for auto deployment & build purpose.
* Worked on application performance metrics like Heap Usage, No. of GCs, Thread dumps, DB Connections usage, Queue Depth and discussed with vendor like Oracle and Microsoft.
* Developed python scripts for various critical applications for deployments, monitoring, cloning.
* Strictly responding to Auto alerts and regularly monitoring like page check failed, Disk space issues and proactively responding to it.
* Developed Startup and Shutdown scripts for the Application servers.
* Worked closely with Database and Developers team during business critical migrations and troubleshooting any issues that arise during the release or deployment process.
* Installed and configured Apache Web Server with Siebel/Tomcat/Weblogic/Jboss Plugin in various environments
* Regular activity includes working on Change and Incident Management Tickets, Installing software’s, Bug fixes, code migration from development to production environment.
* Installed and configured Apache 1.5\_x, 2.0 which includes redirection, rewriting rules and configuring Weblogic Proxy.
* Configured SSL (https) in Apache as well as Weblogic domains, which includes generating keys, updating the certificates and working on Certificate renewal.
* Weekend Support for various go live events and work involves go live events like deployment, deployment errors sometimes emergency conference calls for problem resolution.
* Installed and configured webaget for SSO user authentication as front end interface to weblogic, Apache and JBoss.
* Preparing and maintaining documentation for environment configuration, Code Build, Code Migration procedures and J2EE application packaging and deployment standards

**Environment:** WebLogic 8.1/9.2/10.0/10.3,11g,Apache 1.5\_x,2.0, JRockit 1.5.0, , Windows NT/2000/2003, Lotus Notes, HP-Unix 11.0, Sun Solaris 8, 10,Shell/Perl Scripting JavaScript, Oracle 9i ,10g,PL/SQL,JProbe,F5 BIG-IP Load Balancer, IIS, JDK1.5, 1.6, JConsole, MQ Series.

Fannie Mae—Reston, Virginia May 2010 – April 2011 Web & System Administrator/ Middleware Support

#### Responsibilities:

* Provided middleware support for several different business critical clusters that encompass middleware technologies like weblogic, jboss, apache, Sun One IPlanet Server.
* Performed Installation, Configuration, Deployment, Performance Tuning and Trouble-shooting of weblogic applications.
* Worked on various financial critical applications like portal, Credit Loss Management, Investor Reporting, Business operations, Transactions, Funds Transfer Initiation, Liquidity, Disbursement, Cash Concentration.
* Configured Weblogic clusters that span across different data centers for DR purposes.
* Configured Weblogic resources like JDBC, JMS for high availability in a clustered environment
* Monitoring the App server status in all the environments, using Fannie Mae own Infosie and IEOPS.
* Authored and maintained weblogic/apache/jboss binary installation utility “fmDistributor” that is based on UNIX Shell scripting
* Maintained weblogic domain installation utility “fmInstaller” based on Shell Scripts, WLST. All the needed domain information is provided through flat files.
* Authored an application metric repository utility “fmAppMetricPoller” that gathers key identified application performance metrics like Heap Usage, No. of GCs, DB Connections usage, Queue Depth and other related information.
* Developed python scripts for Page/Port check alerts and it’s currently live in production.
* Strictly responding to Auto alerts and regularly monitoring like page check failed, Disk space issues and proactively responding to it.
* Developed Startup and Shutdown scripts for the Application servers.
* Worked closely with Database and Developers team during business critical migrations and trouble-shooting any issues that arise during the release or deployment process.
* Resolved production issues in a timely manner by taking thread dumps and also by using third party tools( Ex: Thread dump analyzer and Dumpster)
* Installed and configured Apache Web Server with Siebel/Tomcat/Weblogic/Jboss Plugin in various environments
* Involved in Performance tuning of WebLogic server with respect to heap, threads and connection pools, row prefetch to make the application highly scalable and worked with Oracle and sun team in few cases.
* Regular activity includes working on Change and Incident Management Tickets, Installing software’s, Bug fixes, code migration from development to production environment.
* Installed and configured Apache 1.5\_x, 2.0 which includes redirection, rewriting rules and configuring Weblogic Bridge.
* Configured SSL (https) in Apache as well as Weblogic domains, which includes generating keys, updating the certificates and working on Certificate renewal.
* Configuration WARP and RAM as authentication providers for various J2EE apps and as double security we even configured SiteMinder at Web Layer which in turn calls RAM. Implementing this avoids security dependency on Weblogic for Roles and permissions.
* Worked on NETCOOL tool which helps in placing blockers for scheduled reboot or migration activities and monitoring activities.
* Installed and Configured Job Management tool Autosys, to invoke various JIL and PERL scripts
* Installed and configured Siteminder for SSO user authentication as front end interface to weblogic, Apache and JBoss.
* SSL decryption using Private Key from Keystore using Wireshark.
* Preparing and maintaining documentation for environment configuration, Code Build, Code Migration procedures and J2EE application packaging and deployment standards

**Environment:** WebLogic 8.1/9.2/10.0/10.3,11g,Apache 1.5\_x,2.0, JBoss 4.2.3 GA, JRockit 1.5.0,Microsoft Outlook,NETCOOL,IEOPS, INFOSITE, Windows NT/2000/2003,AUTOSYS HP-Unix 11.0, Sun Solaris 8, 10,Shell/Perl Scripting JavaScript, Oracle 9i ,10g,PL/SQL,JProbe,F5 BIG-IP Load Balancer, IIS, Plumtree portal 6.0, 6.5, JDK1.5, 1.6, JConsole, MQ Series.

## Novartis Pharmaceuticals—East Hanover, New Jersey December 2007 – May 2010

### Weblogic Admin / Tech Team Lead Hosting Services

#### Responsibilities:

* Supported Various Application Running on both Weblogic / IIS on Windows and Solaris platform. Provided 24/7 on call support for various applications.
* Deployed various WAR, JAR, EAR applications in clustered / non-clustered environment and troubleshooting issues related to pre and post deployments.
* Configured JDBC, JMS ,Managed Servers, clusters in Weblogic Servers
* Monitoring the App server status in all the environments, installing and configuring WebLogic Server 8.1, 9.0 and 10.0,11g
* Weblogic Architect for various application hosted on shared as well as dedicated machines
* Worked closely with Database and Developers team during business critical migrations and troubleshooting any issues that arise during the release or deployment process.
* Resolved production issues in a timely manner by taking thread dumps and also by using third party tools( Ex: Thread dump analyzer and Dumpster)
* Developed and maintained shell, WLST based auditing utility “appAuditor” that gathers OS version, weblogic patches, and permissions of critical files like boot.properties.
* Developed scripts to monitor JDBC Connection Pool Status, JVM Heap Size, JMS messages in the Destination queues in the production environment.
* Involved in Performance tuning of WebLogic server with respect to heap, threads and connection pools and worked with Oracle and sun team in few cases.
* Upgraded the WebLogic servers with necessary patches and Service Packs.
* Regular activity includes code migration, troubleshooting, ticket handling on prod, dev, DR env’s.
* Coordinated with various teams for Application Support team to identify issues in env’s.
* Installed & configured Apache 1.5\_x, 2.0 which includes redirection, rewriting rules and configuring Weblogic Proxy Bridge.
* Installed and Configured Oracle Content Server 10gR3, HP Sitescope 10.
* Complete MQSeries V5.3 package installation and configuration on Windows/ Unix
* Used 2 way integration, MQSeries with Weblogic using Resource adapter as well as JMS Queues.
* Knowledge on Administering MQSeries JMS Objects
* Created Queue manager, Channels in MQSeries using command prompt also with MQ Explorer.
* Installed and Configured Job Management tool Autosys, to invoke various JIL and PERL scripts
* Developed Startup and Shutdown scripts for various middleware application servers.
* Installed/Configured Crescendo’s Maestro H/W Load balancer for various production applications.
* Knowledge of plumtree portal 6.5 now called Oracle WCI administration which involves import/export, security settings, crawler’s jobs and migrating pages and maintaining dashboard.
* Installed and configured Weblogic portal 10.3, migrating desktop, books, portlets using propagation tool as well as content migration using bulk loaders and unloaders.
* Worked closely with Portal experts in migration from Plumtree 6.0 to 6.5 versions.
* Installed Netegrity Siteminder 5.x web agent and configured it for IIS and Apache.
* Configured and generated various Webtrends reports for high load critical applications
* Monitoring the startup logs for any exceptions or errors. Performing regular health checks for the servers in the UAT and Production environments.
* Involved in upgrading from windows 2000 to 2003 severs and working on post installation steps after upgrading IIS5 to IIS6 upgrade.
* Configured Mercury JProbe Testing tool with weblogic as a plugin
* Extensive Shell Scripting experience; Wrote scripts to collect data for Weblogic server such as information about Execute Queue Threads, idle threads, JVM heap size
* Solution design, test plans, implementation. Stress, Forward Engineering, Next Release Development, Cons, Proof of Concept, Project management Plan
* Good Working knowledge of weblogic in both clustered and non-clustered environment.
* Expertise in business critical activity like DNS mapping with alias name creation and IP binding.
* Good knowledge about the sql commands to remotely login to DB servers and do basic testing whenever weblogic server goes down throwing few DB errors.
* Coordinating with various application owners and discussing Minutes of meeting’s with team.
* Maintaining Knowledge base dashboard and sharing knowledge and issues/resolutions within team.

**Environment:** WebLogic 8.1/9.2/10.0/10.3,11g,Apache 1.5\_x,2.0, HP Sitescope,Lotus Notes, Windows NT/2000/2003, HP-Unix 11.0, Sun Solaris 8, 10,Shell/Perl Scripting JavaScript, Oracle 9i, 10g, PL/SQL, JProbe, Crescendo Maestro, F5 BIG-IP Load Balancer, IIS, Plumtree portal 6.0, 6.5, JDK1.5, 1.6, JConsole, MQ Series.

## **Hewlett Packard—Houston, Texas** **January 2007 – December 2007**

### Middleware Engineer/Dedicated Web Hosting Services

#### Responsibilities:

* Provided Level 3 middleware support for about 1860 servers which includes both testing/Staging and production servers
* Installed and configured Sun ONE webserver (iPlanet), apache 2.x and tomcat in various environments.
* Configuring Apache according to the End User Needs.
* Installed and configured SiteMinder 5Qmr7.Integrated with Apache/IIS for various applications.
* Installed and configured WebLogic 8.1 in development, QA, UAT and production environments.
* Involved in the upgrading of WebLogic server7.0 to WebLogic 8.1/9.2.
* Worked with system management products HP Open View now called as HP Operations Manager.
* Configured Nortel Alteon hardware Load Balancer for various production applications
* Installed and configured Asp.net in different environments.
* Configuration and operation of CISCO 3560E Load Balancer for various production applications.
* Configured and maintained WebLogic clusters and external hardware load balancers.
* Deployed various WAR, JAR, EAR applications in clustered environment
* Working closely with developers to fix code issues in JAVA and deploying successfully on weblogic
* Documenting all the priority 1 resolved issues and steps to stop reoccurring in future.
* Configured and administered JDBC, JMS, JNDI, and SNMP on WebLogic Server.
* Monitored JVM heap sizes and garbage collection times for tuning JVM’s.
* Configured and maintained queues and topics in WebLogic JMS servers.
* Deployed applications & maintained Load balancing, high availability & Fail over functionality.
* Configured LDAP using WebLogic Server for user authentication.
* Involved in research & troubleshooting of emerging application issues, from config to code issues.
* Automated daily activities and auto deploy process using UNIX shell scripts.
* Configured Sitescope for monitoring services and servers.
* Developed scripts for automatic startup and shutdown of Admin Server and Managed Servers
* Provided 24/7 on call Production Support using cellphone/pager.
* Responsible for maintaining and migrating code for development, PLE, UAT and production environments.

**Environment:** WebLogic 8.1/7.0/9.2,Apache 2.x,JBoss,iPlanet 5.1,Autosys, Siteminder ,Sitescope, Windows NT/2000, HP-Unix 11.0, Sun Solaris 9, 10,Shell/Perl Scripting JavaScript, Oracle 9i PL/SQL,JDK 1.4\_x,HP OVO, Propagation tool, bulk loaders, Nortel Alteon.

# Certifications & Trainings:

**BEA Weblogic 8.1 Certified Administrator: System Administration October 2007**

**BEA Weblogic 9 Certified Administrator: System Administration July 2008**

**Trained by BEA for Weblogic platform 10 February 2010**

**Oracle Solaris 10 System Administrator Certified Professional August 2010**

# Education:

**Master’s in Computer Sciences, University Of New Orleans (New Orleans, LA)**

**Master’s in Computer Sciences [Exchange], University Of Michigan (Ann Arbor, MI)**

**Bachelor of Science in Computer Sciences, JNTU (India)**

# Technical Skills:

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| |  |  | | --- | --- | | **Web & Application Server** | Oracle Weblogic Server 7.0/8.1/9.2/10.0/10.3/11g/12c, Apache Web Server 1.X/2.x ,Java System Web Server 6.1, IIS 6.0, JBoss 4.2.3/5.1.0, Apache Tomcat,Websphere 8.x | | **Operating System** | AIX, RHEL 5, 6, HP-UX ,Solaris 8,10, DOS, Windows NT/2000/2003/2008/2012 | | **Cloud Computing Services** | AWS ( Amazon Web Services ) | | **LDAP and Single Sign On** | Siteminder 5QMR7, Active Directory, RAM, WARP, OAM webgate | | **Blog Tool / Search server** | WordPress 3.5.1 / Apache Solr 3.1 | | **Portal Applications** | Plumtree Portal 6.0, 6.5 🡪 BEA Aqua logic 🡪 Oracle WCI 10.3, Oracle Weblogic Portal 10.3.2. | | **Scripting Language** | UNIX Shell (Korn, Bourne, Bash), JSP, Java Script, PERL,PYTHON,WLST | | **Hardware Load Balancers** | Maestro Load Balancer,CISCO Catalyst 3560E, Nortel Alteon, Big F5. | | **Database** | Oracle 8i/9i, DB2, Sybase, My SQL, SQL server & MS Access | | **Protocols** | TCP/IP, HTTP,T3, HTTPS, FTP,SCP,DNS, SSL,RSA, SSH, SNMP, UDP, DHCP | | **Programming Language** | C, C++, Java, JSP,MATLAB,HTML,J2EE,XML | | **Others** | Lotus Notes, HP OVSD, BMC Remedy, Eclipse,  JPobe,WireShark,Autosys.IEOPS,Infosite,JConsole, IBM Data Studio, ptspy, SSH client, putty,Nagios,JIRA,Cruise Control, Wily ,Sitescope,HP BAC, Actional Agent, Sonic. | |