**SUKANYA REDDY**

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**PROFESSIONAL SUMMARY:**

* 13+ years of experience in IT industry in various roles as Middleware administrator, DevOps Engineer, Product Owner, System Administrator.
* Experience in installation, configuration, deployment and management of Enterprise Applications in a clustered and non-clustered environment using IBM WebSphere Application Server 6.x/7.x/8.x.
* Well versed in WebSphere, Jboss, Apache, WebLogic, Oracle Fusion, Tomcat, OpenShift IIS, Solaris and Linux OS.
* Strong Administrative skills forIBM WebSphere Portal Server, IBM WebSphere Application Server, IBM HTTP Server, IBM Tivoli Directory Server (LDAP).
* Hands on experience in developing client/server, multi/tier and web-based applications using IBM MQSeries for Java and IBM MQSeries JMS.
* Defining and maintaining Queue Managers, Queues, Channels and other IBM MQ Objects on various platforms.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, Scrum and Waterfall methodologies.
* Competence in designing AWS cloud models for Infrastructure-as-a-Service (IAAS), Platform-as-a-Service (PAAS) and Software-as-a-Service (SAAS).
* Experience with developing and managing Oracle cloud Virtual Machines with AWS EC2.
* Experience with Version control tools like GIT to track changes made by different servers in source.
* Experience with Server Automation and Configuration Management Tools (PUPPET, CHEF, ANSIBLE, Open Shift ).
* Experienced in installing Docker using Docker tool box and working with Docker to improve our (CD) Continuous Delivery framework to streamline releases.
* Implemented CI/CD allowing for deploy to multiple client Kubernetes/AWS environments.
* Experienced in installation, configuration, tuning, security and upgrades of WAS on IBM AIX, Sun Solaris, Linux (Redhat & SuSE) and windows.
* Configured and Enabled the Global Security System to WAS Administration for console users and console Groups using Directory Server as a LDAP User Registry.
* Good experience in monitoring tools like Nagios, Icinga and cacti.
* Knowledge in Messaging Services such as IBM MQ and JMS.
* Experience in Unix Shell Scripting expect programming and basic Python scripting.
* Good in handling the WebSphere, Jboss, Tomcat Apache, SharePoint, IIS issues and trouble shooting.
* Good experience in server patch/update management and send mail configurations.
* Involved in Infrastructure Support, planning, management, installation, configuration, monitoring, troubleshooting systems & application administration and support.
* Experienced in DNS, LDAP, FTP, Remote Access, Security Management and System Troubleshooting.
* Having Knowledge in migration of applications from WebLogic to Jboss and upgrading the application servers to new Versions.
* Updating and maintain the appropriate WAS configuration documentation to reflect changes to the architecture.
* monitored and maintained z/OS systems, ensuring optimal performance and availability.
* Worked in enabling SSL and Single Sign On authentication for both Application and Web server.
* Excellent communicative, interpersonal, intuitive, analysis and leadership skills with ability to work efficiently in both independent and teamwork environments.
* Ability to quickly grasp business domain knowledge and capable of solving problems efficiently using new technologies.

**TECHNICAL SKILLS:**

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| **Versioning Tools** | Git, Bit Bucket, Git lab. |
| **CI/CD Tools** | Jenkins, Puppet, chef, Ansible, |
| **Build Tools** | ANT, MAVEN, Gradle, Make file, Nexus, Bamboo and MS Build. |
| **DevOps** | Chef, Puppet, Ansible, Docker, Jenkins. |
| **Tracking Tools** | Nagios, Splunk. |
| **Languages** | Java, J2EE, PHP and PL/SQL |
| **Scripting** | Shell, Batch, Python, Power shell. |
| **Virtualization** | Kubernetes, Docker, VMware ESX/ESXi. |
| **Web Technologies** | HTML, Java Script, XML, Servlets, JDBC, JSP. |
| **Web/App server** | WebLogic, WebSphere, Apache HTTP server, Apache Tomcat, JBOSS |
| **Cloud Computing** | AWS (EC2) (IAM). |
| **Database** | Oracle, SQL SERVER, MSSQL, |
| **Operating System** | UNIX, Linux/Solaris, Windows. |
| **Others** | MS Outlook, Agile, SCRUM, Load Balancing, Nexthink. |

**EDUCATION:**

* Bachelor’s Degree in Computer Science & Engineering from Loyola Academy (Osmania Affiliated), April 2010

**PROFESSIONAL EXPERIENCE**

**Client: JNL (Jackson National Life Insurance), Dallas, Texas**

**Role: Senior Middleware Admin June 2023 – Present**

**Project Description:**

The project involved the comprehensive installation, configuration, and maintenance of various middleware and application servers, including Tomcat, Apache, JBoss, WebLogic, Oracle Fusion, IBM MQ, and WebSphere, across Linux and Windows platforms. Key responsibilities included SSL certification management, performance tuning, and setting up CI/CD pipelines using Jenkins, GitHub, and AWS. The role also encompassed server migration, application deployment, and troubleshooting across development, QA, and production environments. Additionally, the project required monitoring and automation with tools like Puppet, Nagios, Splunk, Docker, Ansible, and OpenShift. The team provided 24/7 on-call support, ensuring high availability and efficient processing of systems, including z/OS.

**Responsibilities:**

* Responsible for Installation and Configuration of Tomcat, Apache, Jboss, WebLogic, Oracle Fusion, IBM MQ, Open Shift and Websphere Servers.
* Installed, configured, and maintained IBM HTTP Server, WebSphere Application Server Network Deployment (ND), 5.1/6.0/6.1/7.0/8.0 on both Linux and Windows platforms.
* Defining and maintaining Queue Managers, Queues, Channels and other IBM MQ Objects on various platforms.
* Deploying message flow applications Diagnosing and fixing problems using the message Flow Debugger.
* Updated fix packs using Update Installer and IBM Installation Manager on both Linux and Windows environment.
* Configured WebSphere resources like JVM heap settings, JDBC providers, JDBC data sources, connection pooling, Virtual Hosts, Global Security and SSL.
* Responsible for SSL certification creation, Installation and renewals.
* Monitoring and alerting of production and corporate servers such as EC2.
* Implemented Puppet, Nagios, Splunk, Docker, Ansible, Open Shift.
* Implemented a CI/CD pipeline with Jenkins, GitHub, Maven and AWS AMI's.
* Extensively used Docker for virtualization, run, ship, and deploy the application securely for fasten the build/release engineering.
* Experienced in developing Ansible roles and Ansible Playbooks for the server configuration and Deployment activities.
* Responsible for building/deploying consistently repeatable build/deployments to company production and non-production environments using JENKINS & Circle CI etc.
* Server Migration & Changes or upgrade to the environment.
* Deployment of application and troubleshooting issues of successful running of application on
* Development, QA and Production Environment.
* Migrated the WebSphere application server ND and HIS version 7.5 to 8.x.
* Backup/Recovery/Local Server Disk management/Device Management.
* Deploying J2EE applications in WebLogic, Jboss, Oracle Fusion and Websphere environments.
* Troubleshooting all application related issues at the server and application level.
* Monitor WAS performance and resolving issues proactively.
* Operated and monitored z/OS systems, ensuring smooth and efficient processing.
* Automated Server maintenance by scheduling server startup scripts.
* Having knowledge of Performance tuning for Jboss and WebLogic servers.
* Responsible for cluster creation for web logic, Jboss & Apache.
* Develop detailed procedure documents for installation, maintenance, and testing of various software and hardware infrastructure.
* Work as part of a hands-on team to collaborate on designs, implementation, tuning and support of our security systems at various layers.
* 24/7 on call supports for emergency site maintenance and immediate build and install requests.

**Environment:** Linux, Windows, Tomcat, Apache, JBoss, WebLogic, Oracle Fusion, IBM MQ, OpenShift, WebSphere, IBM HTTP Server, Docker, Puppet, Nagios, Splunk, Ansible, Jenkins, GitHub, Maven, AWS, z/OS.

**Client: AMD (Advanced Micro Devices), Hyderabad, India**

**Role: WebSphere Middleware Admin March 2021 – May 2023**

**Project Description:**

The project involved the installation and configuration of IBM WebSphere Application Server ND and IBM HTTP Server on Sun Solaris and Windows environments, setting up multi-clustered high availability systems. Responsibilities included SSL certificate management, migration from SVN to Git, and EC2 instance architecture design for high availability. The role required developing build scripts using Maven and automating builds with Jenkins. Additionally, the project involved implementing Chef for configuration management, configuring Artifactory plugins, and handling WebSphere, JBoss, and WebLogic performance tuning. The team also managed backups, recovery, change management, and provided 24/7 support.

**Responsibilities:**

* Responsible for Installation and Configuration of WebSphere, Tomcat, Apache, Jboss, WebLogic Servers.
* Installed and configured IBM Web Sphere Application Server ND and IHS on Sun Solaris8 and Windows 2008 server in a multi clustered high availability environments.
* Performed the package, build, integrate and deployment of enterprise J2EE applications on Web Sphere 6.1 that involved the creation and editing of EAR, JAR, WAR files.
* Responsible for Creating new WAS regions for Integration and Production life cycles.
* Responsible for SSL certification creation, Installation and renewals.
* Installed plug-ins and worked on issues related with the App Server and webserver connectivity.
* Performed svn to git migration with careful analysis and migrated all branches, tags, along with commit history using git - svn utility.
* Designed EC2 instance architecture to meet high availability application architecture and security parameters.
* Developed build scripts using MAVEN as the build tool for the creation of the build artifacts like war or ear files.
* Automated all Builds using Jenkins.
* Designed and implemented Chef, including the internal best practices, cookbooks, automated cookbook CI and CD system.
* Experience with IaaS, PaaS and SaaS implementations.
* Familiar and experienced with Agile Scrum development.
* Configured Artifactory plugins in Jenkins for continuous delivery.
* Configured the Websphere Application server and Portal servers to work in the combination of horizontal and vertical clustering.
* Troubleshooter for various issues like Heap size, class path, threads pools and port conflicts.
* Backup/Recovery/Local Server Disk management/Device Management.
* Responsible for change management documentation and representing the changes in CAB.
* Collaborate with different teams for WAS,Jboss and WebLogic performance tuning changes.
* Responsible for enabling the web authentication for the applications.
* Responsible for cluster creation for Oracle Fusion, WebSphere, web logic, Jboss & Apache.
* Providing Support on Weekends and attending weekly calls/meetings.

**Environment:** IBM WebSphere, Sun Solaris, Windows 2008, J2EE, Jenkins, Git, Chef, EC2, Maven, IHS, Artifactory, Oracle Fusion, Tomcat, Apache, JBoss, WebLogic, SVN, IaaS, PaaS, SaaS, Agile Scrum, CAB.

**Client: NXP, Eindhoven, Netherlands**

**Role: Middleware Admin Feb 2019 – Jan 2021**

**Project Description:**

The project focused on the installation and configuration of various application servers, including WebSphere, Tomcat, Apache, JBoss, and WebLogic, across AIX, Linux, Sun Solaris, and Windows platforms. Key tasks included setting up IBM WebSphere Application Server, configuring JDBC drivers and servlet engines, managing SSL certificates, and implementing load balancing through WebSphere Workload Management. The team also handled server migration, performance tuning, backup and recovery, user administration, and monitoring. Additional responsibilities included deploying applications across development, QA, and production environments, as well as providing weekend support and participating in weekly meetings.

**Responsibilities:**

* Responsible for Installation and Configuration of WebSphere, Tomcat, Apache, Jboss, WebLogic Servers.
* Installed and configured IBM WebSphere Application Server 5.x/6.x**,** JDBC drivers and Servlets engines on AIX, Linux Sun Solaris and Windows, also created user roles and groups for securing the resources using local operating system authentication.
* Installed and configured IBM HTTP Server 2.0.47.2/6.0.
* Involved in configuring the WebSphere load balancing utilizing WebSphere Workload Management including horizontal scaling and vertical scaling.
* Responsible for SSL certification creation, Installation and renewals.
* Installation/Upgrade & Configuration of Servers.
* Server Migration & Changes or upgrade to the environment.
* Handled the maintenance of the WebSphere Application Servers on different UNIX platforms and setting up the development and testing and staging environment for the ongoing application development.
* Backup/Recovery/Local Server Disk management/Device Management.
* Responsible for all the Apache websites needs to be maintained properly.
* User Administration | Script Maintenance, Process related activities (reports).
* Monitoring and Troubleshooting.
* Deployment of application and troubleshooting issues of successful running of application on
* Development, QA and Production Environment.
* Having knowledge of Performance tuning for WebSphere, Jboss and WebLogic servers.
* Responsible for enabling the web authentication for the applications.
* Responsible for cluster creation for web logic, Jboss & Apache.
* Providing Support on Weekends and attending weekly calls/meetings.

**Environment:** AIX, Linux, Sun Solaris, Windows, IBM WebSphere Application Server 5.x/6.x, IBM HTTP Server, Tomcat, Apache, JBoss, WebLogic, WebSphere Workload Management, SSL, JDBC, UNIX, and local OS authentication.

**Client: COMCAST, Hyderabad, India**

**Role: Middleware Admin June 2014 – Jan 2019**

**Project Description:**

The project entailed the installation and configuration of Tomcat, Apache, JBoss, and WebLogic servers, managing production, test, and development environments. Key tasks included server migration, upgrades, backup and recovery, and performance tuning. The team also handled user administration, monitoring, troubleshooting, and cluster creation. Regular support was provided on weekends, with participation in weekly meetings.

**Responsibilities:**

* Responsible for Installation and Configuration of Tomcat, Apache, Jboss, Weblogic Servers.
* Responsible for managing production /test/Development environments.
* Installation/Upgrade & Configuration of Servers.
* Server Migration & Changes or upgrade to the environment.
* Backup/Recovery/Local Server Disk management/Device Management.
* Responsible for all the Apache websites needs to be maintained properly.
* User Administration | Script Maintenance, Process related activities (reports).
* Monitoring and Troubleshooting.
* Having knowledge of Performance tuning for Jboss and WebLogic servers.
* Responsible for cluster creation for web logic, Jboss & Apache.
* Providing Support on Weekends and attending weekly calls/meetings.

**Environment:** Managed Tomcat, Apache, JBoss, and WebLogic servers across production, test, and development environments. Responsibilities included server installation, upgrades, migration, backup, recovery, performance tuning, and cluster creation, with weekend support.

**Client: GE, Hyderabad, India**

**Role: Middleware Admin June 2010 – May 2014**

**Project Description:**

Managed production, test, QA, and staging environments, overseeing JBoss, WebLogic, and Apache installations and upgrades. Developed scripts for build and deployment using Jenkins and Ant, and handled application deployment, troubleshooting, and version control. Collaborated with QA, application, SSO, and DBA teams to enhance deployment standards.

**Responsibilities:**

* Responsible for managing production /test/QA/staging environments.
* Installation and up gradation of Jboss/ WebLogic and Apache versions.
* Domain and cluster creation.
* Apache configuration and Reverse proxy mapping.
* Responsible for building and deploying applications in build, test, and non-production environments.
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Ant and
* shell scripts.
* Deployment and troubleshooting of JAR, WAR, and EAR files in clustered environment.
* Drive applications release/deployment standards.
* Identifying issues related to Database/ Network /UNIX.
* Version control and configuration management using CVS repository.
* Developing and maintaining any scripts for compiling and deploying builds.
* Have been continuously working with various teams (QA/Application/SSO/DBA) to improve the deployment standards and processed.
* Trouble shooting all builds related issues at the server and application level.

**Environment:** Managed multiple environments, installed and upgraded JBoss, WebLogic, and Apache. Developed deployment scripts, handled troubleshooting, and collaborated across teams.