

Surya Raj Lama

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DevOps/Cloud Engineer

- Experience in Administration of IBM WebSphere Application Server V5.1/V6.x/V7/V8.x, Apache Webserver V2.x, IIS Webserver V6 on SUSE Linux Enterprise Server, Red Hat Linux and Windows platforms.
- Deploying J2EE Application archives (JAR, WAR, EAR and RAR) WebSphere Application Servers.
- Experience in Development, Application Support, Release and Software Configuration Management (SCM) and Platform as a Support (PaaS) projects.
- Supported applications developed in Java, JSP, J2EE, JavaScript, Oracle, Spring, Webservices using struts framework.
- Varied experience in Clustering (both horizontal and vertical), Workload management, creation and maintenance of Domains, Nodes and Managed Servers instances in WebSphere environment.
- Installed and configured Nginx and Apache Web Servers in various environments.
- Deployed applications on multiple WebSphere Servers and maintained Load balancing, High Availability and Fail over functionality.
- Co-ordinating with network team to configure Load Balancer for request distribution to apache web layer.
- Installed and Configured Jenkins/Hudson as part of continuous integration and continuous deployment for building and deploying the archives in the servers.
- Installed and maintained Source control systems like SVN, GIT.
- Excellent knowledge of writing UNIX Shell Scripts, Python, and PowerShell to automate System Admin jobs.
- Proficient in (Korn & Bourne) Shell scripting and performance tuning of UNIX systems.
- Extensive experience in configuring and managing secured environments using SSL and digital certificates.
- Experience in installing and configuring JBOSS EAP 5.x/6.x and apache tomcat 8.x and 9.x in various environments.
- Hands-on experience on virtualization software like VMware and Oracle VM Virtual Box
- Having Strong experience in Apache Tomcat, IIS, Apache HTTP Sun One (Web/Application Servers) administration such as Installation, configuration and administration in different environments.
- Configured Webserver Plug-ins for both WebSphere and implemented SSO across different domains
- Well versed with Windows (2000, 2003, XP, 2007, 2010), UNIX (HP-UNIX, AIX), Linux (Red hat) and Solaris.
- Monitored WebSphere, Tomcat, WLP, WebLogic and JBoss server resources using Wily Introscope and HP SiteScope/BAC.
- Experienced in Backup and Recovery procedures.
- Excellent communication, presentation, customer support and troubleshooting skills.
- Installed Kubernetes utilizing Kops, kubeadm in AWS EKS, VMWare, and ICP as well as from scratch where every component configured manually.
- Deployed, maintained, upgrade, and troubleshoot applications deployed in Kubernetes cluster.

TECHNICAL SKILLS

Operating Systems: SUSE Linux Enterprise Server, Red Hat LINUX, Windows 98/2000/NT/XP/Win7/Win8

Programming Languages: JAVA/J2EE, Python

Application Server: WebSphere 8.x, 7.x, 8.5.x, 9.x, WLP 8.5.x, 16.x, 17.x, 18.x, Apache Tomcat 8.x,9.x, JBOSS EAP 6.x

Web Server: Apache 2.2, 2.4, IBM-HTTP Server

Configuration Tools: Ansible, Puppet

J2EE Technologies: Servlets, JSP, JDBC, JMS, JNDI, JMX, EJB, Applets and swing components

Build and Release Management: Jenkins (CI/CD), SVN, Git, Nexus, Ant, Maven

Scripting Languages: UNIX Shell Scripting (Bourne, Korn, C and Bash), PowerShell, Python

Monitoring Tools: Wily Introscope, JMeter, JConsole, Splunk

Databases: Oracle 8i/9i/10g, 11g, 12c, MS SQL Server 8.x/2000, My SQL, MS Access and DB2

Cloud: AWS

PROFESSIONAL EXPERIENCE

ADP Technology Service, Inc., Alpharetta, GA
DevOps Engineer

3/2019 – 10/2020

- Work in an Agile environment.
- Used Jira for tracking User Stories.
- Deployed Deployments, Daemon-sets, Replica-sets, etc. and maintained in a Kubernetes cluster.
- Installed UMA 20.1, 20.4 agent for the Java, Python, and NodeJS application running in the Kubernetes.
- Installed and configure Wily agents 10.7 and 10.9 on .Net and Java environment for multiple products.
- Created automation using Ansible and PowerShell to install Wily agents for .net environment and collaborated with team member to automate Wily Java agents.
- Created and helped on creating Universe and Experience card on Team Center.
- Collaborated with team on installing Introscope Nodejs agent.
- Provide support to application team on Wily automation, troubleshoot issues as well as gave them brief overview of Wily.
- Automate the BIRT iHub installation process using Ansible role and Jenkins on AWS instances.
- Automate the thread dump and heap dump generation using Ansible and Jenkins.
- Worked on Ansible playbook creation to deploy various installation scripts for WebSphere Liberty Profile.
- Worked on adding plugin in Jenkins to enhance the performance.
- Provide support for application server like WebSphere Application Server 9.0.0.1 and 9.0.0.7, WebSphere Liberty profile 18.0.0.1 and 18.0.0.2, and Tomcat servers 8.5.5.10 to 9.0.0.7.
- Worked with creation and configuration of services like EC2, VPC, IAM, S3, and Route 53 in Amazon Web Services.
- Knowledge of Docker, and setup of containerized applications.
- Work with WebSphere Portal & iBPM, MQ, Redis, Oracle Coherence, COGNOS & other BI products.
- Install, configure and troubleshoot Java application servers and applications.
- Wrote shell scripts to create back up for WLP and gave users option to choose the backup location.
- Automate the packaging, installation and configuration of middleware software packages using Ansible, Jenkins and BladeLogic.
- Provide rotational On-call support to troubleshoot systems and applications beyond the basics.
- Work with Change Order with current release and implement them in the Production.
- Used Winscp and FTP for secure file transfer.
- Configured Taxware on JBoss, recycled and ran smoke tests before moving to PROD.
- Worked in both horizontal and vertical cluster environment, Workload management, creation and maintenance of Domains, Nodes and Managed Servers instances in Websphere environment.
- Performed installation of Websphere Application Server, create profiles for dmgr and managed nodes.
- Replicated multiple Tomcat builds for the Dev team.
- Moved BladeLogic automation to Ansible Tower.
- Coherence migration from SUSE Linux Enterprise Server to Red Hat Enterprise Server.
- UMA deployment to ICP to monitor on Kubernetes – cluster, node and pods.
- 1-2 years' experience in AWS – Platform as a Service (Paas) and Infrastructure as a Service (Laas)
- Ability to design and manage cloud-based infrastructure to deliver the required performance, security, and availability requirements.
- Hands-on experience with EC2, ECs, ELB, EBS, S3, VPC, IAM, SQS, RDS, Lambda, CloudWatch, Storage Gateway, CloudFormation, Elastic Beanstalk and Autoscaling.

Environment: CA APM/Wily, Kubernetes, Jenkins, Ansible, Docker, Java/J2EE, GIT, AWS, Amazon EC2, Terraform, Python Scripts, Shell Scripts, UNIX, Rally, CA service Desk, WebSphere Application Server (WAS), Liberty profile, Tomcat, Source Tree, IBM JDK, Oracle JDK, Open JDK, CA APM, BIRT iHub, Informatica, Taxware, Artifactory, Bitbucket, Coherence, ClamAV, iBPM, and Jira.

Xduce Corporation, Plano, TX

8/2018 - 3/2019

Client: ADP, Alpharetta, GA

Middleware Engineer

- Installed and configured Wily agents 10.7 and 10.9 on .Net and Java environment for multiple products.
- Collaborated with other teams to onboard their application to Wily/Introscope.
- Worked in an Agile environment.
- Automated the packaging, installation and configuration of middleware software packages using Ansible, Jenkins and BladeLogic.
- Configured Taxware on JBoss, recycled and ran smoke tests before moving to staging.
- Provided support to application team on Wily automation, troubleshoot issues as well as gave them brief overview of Wily.

- Automate the BIRT iHub installation process using Ansible role and Jenkins on AWS instances.
- Automated the thread dump and heap dump generation using Ansible and Jenkins.
- Worked on Ansible playbook creation to deploy various installation scripts for WebSphere Liberty Profile.

Environment: Jenkins, Ansible, Docker, Java/J2EE, GIT, AWS, Amazon EC2, Amazon Web Services, Python Scripts, Shell Scripts, UNIX, Rally, CA service Desk, WebSphere Application Server (WAS), Liberty profile, Tomcat, Source Tree, IBM JDK, Oracle JDK, Open JDK, CA APM, BIRT iHub, Informatica, Taxware, Artifactory, BitBucket

Randstad USA, Baltimore, MD

6/2017 - 7/2018

Client: Johns Hopkins University, Baltimore, MD

Information Technology Specialist

- Resolved database inconsistencies using Microsoft SQL Server 2012. Wrote SQL queries to run reports upon the request of academic departments.
- Wrote scripts using Shell and PowerShell to automate the task under the supervision of Programmer Analyst.
- Planned, tested, and installed WordPress template for web re-design project.
- Installation of web server, plugins, widgets and modules for frontend and back-end.
- Tuned the TCP-related parameters in Operating System Level to improve system performance and reduce dropped connections.
- Installed and Configured WebLogic 8.1 Application Servers/WebLogic Integration, Domains, Clusters on AIX, Solaris and wrote shell scripts for automation of WebLogic startup, and for log maintenance.
- Configured and maintained WebLogic server with JDBC Connection Pool, JMS, JNDI, SNMP and J2EE Services.
- Used to interact with Development Teams for Application Architecture changes, with respective to WebLogic configurations.
- Installed and configured Apache Tomcat and Sun ONE (iPlanet) Web Server.
- Developed and maintained shell scripts that facilitate the Administration of BEA WebLogic.
- Troubleshooting, Load balancing, Testing and Code Profiling to measure the performance of the various applications deployed in WebLogic Server.
- Developed many shell scripts to automate the maintenance process of the WebLogic and recover the backed-up WebLogic configuration.

Environment: WebLogic Server 8.1, Apache Tomcat, Sun One, J2EE, Web Services, LDAP, XML, AIX, Solaris, Windows, SQL Server.

EDUCATION

Wilmington University, New Castle, DE

Bachelor of Science (BS) in Computer and Network Security

August 2017

- Honors: Academic Dean's List; GPA: 3.72

Baltimore City Community College, Baltimore, MD

Associate of Applied Science (AAS) in Computer Information Systems

May 2015

- Honors: Meritorious Scholar; GPA: 3.56