**Sandeep Kumar**

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Overall 10 years of experience in System administration, DevOps, Configuration Management, Build Engineering and Release Management processes, including Building binaries, end-to-end code configuration, and deployments of artifacts for entire life cycle model in Enterprise Applications.

Certifications:

* Information technology infrastructure library foundation (ITIL) certified
* Microsoft Certified Solutions Expert: Cloud Platform and Architecture
* Architecting Microsoft Azure Solutions
* Scaled Agile Framework - SAFe 4.0 Agilist
* Six Sigma Yellow Belt
* Scrum Fundamentals Certified
* Microsoft Certified Professional

**Specialties: (DevOps cloud and monitoring platforms)**

Kibana, Dynatrace, Splunk, Weblogic Server, Nagios, WebSphere, Tomcat, Apache ERS, SiteScope Monitoring, Jenkins, Siteminder, LDAP, SFTP, SAML, SSO, SSL

* Experienced in DevOps, Build & Release and Configuration Management on Linux and Windows platforms.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, Scrum, and Waterfall methodologies.
* Configured Application Life Cycle Management (ALM) tools like JIRA, Trello, to track the progress of the project
* Hands-on experience with Amazon Web Services (AWS) and using AWS Kinesis, SQS.
* Good exposure to Version control tools like Git, GitHub, SVN, Bitbucket -etc.-
* Implemented Continuous Integration and Continuous deployment using various CI Tools like Jenkins, Bamboo.
* Integrated Jenkins with the version control tools to pull the latest pushed code.
* Experience in creating Jenkins Environment and configuring end to end build pipe lines.
* Installed and Configured AEM Authoring & Publishing Instance
* Performed Cloud migration from physical data center towards Amazon Web services (AWS) and had good understanding with Public, Private and Hybrid Cloud Environments.
* Good understanding of Open shift platform in managing Docker containers and Kubernetes Clusters.
* Good knowledge on protocols and REST and SOAP webservices.
* Expertise in using build tools like MAVEN and ANT for the building of deployable Artifacts such as war and ear from Source Code.
* Installed and configured AEM 6.0 instance and developed Templates, Components, Dialogs, Widgets which are the building blocks for a page.
* Achieved continuous delivery by constantly coordinating with testing and dev teams.
* Used Docker and Open Shift to manage micro services for development and testing.
* Experience with Bug tracking tool like JIRA. Created and wrote shell scripts (Bash), Ruby, Python and PowerShell for automating tasks.
* Continuous deployment using Ant, Maven. Perl, Power shell, Shell, Puppet, Chef, Packer, Terraform on to prem., AWS and Azure
* Experienced in Administration of Production, Development and Test environments carrying different operating system platforms like Windows, Ubuntu, Red Hat Linux,HTTP,TCP.
* Experienced in Querying RDBMS such as Oracle, MY SQL and SQL Server by using SQL for data integrity.
* Experienced with Handling Cloud environments (AWS and OpenStack)
* Managed environments DEV, QA, UAT and PROD for various releases and designed instance strategies.
* Well Adverse with the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* Expert in deploying the code through web application servers like Web Sphere/Web Logic/ Apache Tomcat/JBOSS and Jetty.
* Experience in integrating Unit Tests and Code Quality Analysis Tools like JUnit, Cobertura, PMD, Find-bugs, Check-Style, Sonar-Qube and Gerrit for code review.
* Experience in software Build tools like Apache Maven and Apache Ant to write Pom.xml and Build.xml respectively.
* Experience in Amazon AWS Cloud Administration which includes services like: EC2, S3. For application or backend service worked on Lambda.
* Responsible for Operating System maintenance activities like upgrading the OS, updating the services and third-party software.

**DevOps Cloud and Release Engineer**

**American Express**

Phoenix, AZ

Nov 2014 to Present

Developed and implemented Software Release Management strategies for various applications. Experience with Build and Release management according to enterprise guidelines, used continuous integration tool like puppet manage system configuration. Experience in Analysis, Design and Focused on automation, integration monitoring and configuration management.   
   
Responsibilities:

* Used Shell scripts to day to day activities and tasks for automating.
* Used Jenkins tool to automate the build process to manage Git.
* Installing and configuring Jenkins master and slave nodes. Built CI/CD pipeline and managing the infrastructure as code using puppet.
* Have experience in cloud platform like AWS.
* Worked with GIT to manage source code.
* Developed Perl, and Bash scripts to do data verification between Hive and Teradata databases as part of database migration.
* Developed Unix shell scripts to trigger Teradata SP/BTEQ and worked with Teradata Utilities such as Multi Load, Fast Load, Fast Export, BTEQ.
* Converted existing terraform modules that had version conflicts to utilize cloud formation during terraform deployments to enable more control or missing capabilities
* Strong use of Shell scripting languages including BASH for Linux.
* Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes.
* Writing Teradata sql queries to join or any modifications in the table
* Deployed the applications to Tomcat Application Server and static content to Apache web servers.
* Automated the continuous integration and deployments using Jenkins, Docker, Ansible and Azure Cloud Templates.
* Installed and used monitoring tool like Nagios, Configured, and Managed Monitoring Tools such as Nagios for Resource Monitoring/Network Monitoring/Log Trace Monitoring. Monitoring focal utilizing Nagios.
* Worked on Docker container to create Docker images for different environments.
* Container management using Docker by writing Docker files and set up the automated build on Docker HUB and installed and configured Kubernetes.
* Automated CI/CD process using Jenkins, build-pipeline- plugin, GIT.
* Very good experience working on continuous integration and Continuous Delivery tools such as Jenkins and Bamboo and did support and backup.
* Working experience of deployment of Java applications through WebLogic/WebSphere Application servers. And build tools like Gradle.
* Implemented and improved process for release management, automated code deployment, configuration management, and monitoring.

Environment: Quick Test Professional (QTP), kubernetes, docker, Linux, Mercury Quality Center, Java/J2EE, DB2, Web Sphere, Windows, Load Runner, Oracle, Perl, SQL, PL/SQL, Teradata, Terraform, MS Excel, MS Office.

**CTSA – Infrastructure and monitoring operations**

**Dell**

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Atlanta, GA

Jan 2011 to Jun 2014

Developed tools and automated solutions with my team in support of hosted services and troubleshooting for performance, reliability, and scalability issues. Enhanced group infrastructure with Virtualization and Cloud computing technologies.   
   
Responsibilities:

* Maintained and Administered GIT Source Code Tool.
* Created Branches, Labels and performed Merges in Stash and GIT.
* Developed Processes, Tools, Automation for Jenkins based Software for Build system and delivering SW Builds.
* Managed and developed Puppet modules responsible for deploying AWS
* Managed Servers and Reports using Puppet through host groups and puppet modules and manifests.
* Integrated GIT into Jenkins to automate the code check-out process.
* On boarded new nova compute hypervisors with checks ensuring their health before enabling them.
* Created VM snapshots using nova and glance to backup application state into glance images periodically.
* Implemented the application using Jakarta Struts Framework which is based on Model View Controller design pattern.
* Setting up build server for continuous integration with Jenkins for daily/nightly and weekly based builds.
* Communicating with Development teams in advance for all PRODUCTION releases planned.
* Designed the Release Plans while coordinating with Stake Holders including Project Management Lead, Development Lead and QA Team Lead.
* Used STRUTS 2 tags for front end application development.
* Experienced working with Ansible tower. Integrating Ansible tower with Jenkins to deploy code to different servers.
* Installed and configured Apache and supported them on Linux production servers
* Worked with different Ansible playbooks and maintain different Ansible roles.
* Creating Ansible roles using YAML such as tasks, variables, files, handlers, templets and writing playbook for that role.
* bucket with Jenkins for backup of code
* Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
* Used Ansible server and workstation to manage and configure nodes.
* Tracking JIRA tool for live defects and change request's.
* Integrated crucible with Jira.
* Used Struts framework to generate Forms and actions for validating the user request data.
* Creating the complete setup with core network running on another machine.
* Implementation of code for several modules.
* Debugging the issues reported from various stakeholders.

**DevOps Engineer**

**Vestige Technologies**

Mar 2008 to Dec 2010

* Installed, configured and administered Oracle WebLogic Server 11g (10.3.x) in various environments like Development, QA, and Production on Solaris and Linux Operating Systems.
* Installed and Configured JBoss Application Server 6.x EAP.
* Installing Apache Http Server, configuring apache plug in for WebLogic and hosting application using virtual host features in apache.
* Experienced in Oracle Fusion Middleware SOA Suite (BPEL, AIA, B2B, OSB, and OWSM) & BPM Suite (Human Task, Business Rules and BAM).
* Successful implementation of SOA based Solutions leveraging Oracle products, Oracle SOA Suite, OWSM, Oracle ESB and Oracle Human Task, Expert level skills in BPEL-Web Services Orchestration and BPEL to BPEL asynchronous and synchronous communication, BPEL integration with ODI, EBS.
* Responsible for creating WebLogic domains in Development, QA, Production from scratch.
* Involved in Migrating the setup from WebLogic 10.x11.x.
* Deployed different types of applications like WAR, JAR and EAR files in WebLogic 10.x/11g and JBoss 4.x/5.x.
* Configured Node manager to administer the Managed servers.
* Migrated Oracle WebLogic Application Server 11.x application to Red Hat JBoss Enterprise Application 6.x.
* Setting up the cluster environment for WebLogic Server integrated with multiple workflows.
* Configured and administered JDBC Connection Pools/Multi /Generic Data Sources on WebLogic Server 10.x/11g.
* Configured and administered WebLogic server with Oracle10g database.
* Developed Startup, Shutdown and Bounce scripts using WLST.
* Developed UNIX shell scripts that automate the WebLogic Administration (recycling the application server, deploying customer applications, logs rotation, monitor applications state, etc.)
* Developed scripts to monitor JVM Heap Size, JMS Messages in the Destination queues in the production environment.
* Dealt with troubleshooting issues like Server hang, Application Deadlock, Out of Memory Issue, High memory usage and High CPU.
* Provided support for production environments in activities such as load testing, troubleshooting, and performance tuning.
* Configuring Wily Introscope Agents for different domains.
* Configured and managed secured environments using SSL and Digital certificates.
* Installed and Configured Ldap Server and integrated with WebLogic Application Server.
* Worked on Configuring channel secure CA/Netegrity Siteminder with webservers and WebLogic Applications.
* Upgraded all Production and Non Production systems to WLS 10.3.5 from WebLogic 10.3.0 successfully and installed patches.
* Developed Crontab scripts for timely running jobs and provide server status.
* Administrative documentation for Installation/Configuration Procedures for future use.
* Log files analysis such as WebLogic server logs, node manager logs, Plug-in logs, thread dumps, Verbose: GC logs for troubleshooting and Problem determination to resolve issues.
* Using Remedy as the trouble ticket and change management tool.
* Worked on coordinating teamwork with the offshore application teams.
* Provided 24/7 on call Production Support.

Environment: Struts 1.x / 2.0, Ajax, JSP, JNLP, Hibernate, YUI, My SQL, Net Beans IDE 6.5, Tomcat 6.5 Web Logic Server 9, Quality Center, Mercury QTP, Load runner, Java, XML, JSP, Web Service, Java Mail 1.3, Java Script, DB2, Web sphere, Windows XP/Vista, Linux.

**Education**

Bachelors of Business Administration from Vinayaka Missions University, India.

**Skills**

Git. (3 years), Jira (6 years), Maven (5 years), Tomcat (8 years), Web Services. (5 years)

**Additional Information**

TECHNICAL SKILLS:   
   
Operating systems Windows, Linux, Unix, Ubuntu, Red hat, CentOS   
Build Tools Ant, Maven, Gradle   
Source Code Management SVN, GIT, Bitbucket, IBM Rational Clear Case, Perforce   
Bug Tracker and Testing JIRA, Junit, Test Flight, Confluence   
CI/ CD Tools Hudson, Jenkins, Bamboo, Team City, Circle CI, Travis CI.   
Configuration Tools Ansible, Chef, Puppet, Vagrant, Docker, OPS Work   
Monitoring Tools Splunk, Data dog, Nagios.   
Cloud Services Amazon Web services, Google cloud Platform, Microsoft Azure.   
Web/App Servers Nginx, JBoss, Apache, Apache Tomcat, WebLogic.   
SDLC Waterfall modal, Agile, Scrum