**Manisha **

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**Professional Summary:**

* **Certified AWS DevOps Engineer** with Around 8 years of IT experience as DevOps and Cloud Engineer.
* Over 8+ years of experience in solving complex problems with **creative solutions**, **supporting development** and **operations** environments
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, scrum,** and **Waterfall methodologies**
* Experience of **Jenkins**/ **Hudson**, VS Build Pro, Apache Ant, Apache **Tomcat**, Subversion, **Git**, **Maven**.
* Experience in scripting languages **Shell** and **Python**.
* Experience in development and configuration experience with software provisioning tools like **Anthill Pro**, **Puppet** and **Ansible**
* Experience in **Monitoring** CI/CD pipeline infrastructure on **AWS/Azure** cloud infrastructure
* Experience in Integrated Jenkins with various DevOps tools such as **Nexus, Ansible** and used CI/CD system of **Jenkins** on **Kubernetes** container environment, utilizing **Kubernetes** and **Docker** for the runtime environment for the **CI/CD** system to build and test and deploy.
* Recommend and implement changes to existing **hardware** and **OS** (Solaris & Linux) **infrastructure** including patches, users, file systems, and **kernel parameters**.
* Apply **security** and **kernel patches** to **Linux servers** to ensure a secure environment and adhere to enterprise compliance standards
* Hands-on building Elasticsearch multi-node cluster in both Linux and Windows based environments for different environments like Development and Production.
* Experience in developing cloud solutions using IaaS and PaaS.
* Contribute to **Comcast Linux server** standards discussions and documents (with respect to OS, hardware, storage, networking, and security).
* Building servers using **AWS** and implementing best practice*s*
* Maintain existing **server infrastructure** and lead platform level initiatives
* Expert in Creating **Terraform** modules to create instances in AWS & automated process of creation of resources is AWS using **Terraform**
* Configured, monitored and automated **Amazon Web Services** as well as involved in deploying the content cloud platform on Amazon Web Services using **EC2, S3** and **EBS**.
* Created the **AWS VPC network** for the Installed Instances and configured the Security Groups and Elastic IP's accordingly
* Responsible for distributed applications across **hybrid AWS** and **physical data centers**.
* Experience in using **Azure Media** and **Content delivery,** **Azure Networking**, **Azure Hybrid integration, Azure Identity and Access Management, Azure Data Factory and Storage, Azure compute services** and **Azure Web apps**
* Built back end with Spring and **Elasticsearch** as data store
* Setup **AZURE** Virtual Appliances (VMs) to meet security requirements as software-based appliance functions (firewall, WAN optimization and intrusion detections).
* Troubleshooting and handling issues in Greenplum and Elasticsearch clusters
* Experience in integrating Unit Tests and code **Quality Analysis** Tools like **JUnit, SonarQube** and Find bugs.
* Managed local deployments in **Kubernetes,** creating local cluster and deploying application containers.
* We have Integrated Liferay with SSP/Open AM and LDAP
* Deployed Apache Zookeeper, Kafka and Cassandra server on AWS Cloud
* Worked with **Kubernetes** to provide a platform for automating deployment, scaling, and operations of application containers across clusters of hosts and managed containerized applications using its nodes
* Administered and Implemented CI tools **Hudson** and **Jenkins** for automated builds.
* Extensive experience on **Build Automation** and **Continuous Integration** concepts by using tools like **Jenkins**, **Hudson**. Extensive experience using **MAVEN** and **ANT** as build tools for the building of deployable artifacts (jar, war & ear) from source code
* Liferay 6.x Tomcat bundle, Apache Directory Server, PKI and LDAP Server.
* Deployed and maintained Chef role-based application servers, including **Apache, Nginx** and **Tomcat**.
* Experienced in troubleshooting, configuring and deploying enterprise applications in **WebSphere**, **WebLogic** and **Tomcat, JBoss** as well.
* Managed environments **DEV**, **INT**, **QA** and **PROD** for various releases and designed instance strategies.
* Used VMware to manage **Linux**, **UNIX**, **Windows** VMs on various hosts
* Expert in working with different RDBMS like **Oracle**, **MySQL** and **SQL Server**.
* Experienced in working with Ticketing &Tracking Tools like **JIRA**, **Remedy**, **HPSM.**

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Cloud Environments | AWS, Azure, Google cloud platform |
| AWS Services | EC2, ELB, VPC, RDS, AMI, IAM, Cloud Formation, S3, Cloud Watch, Cloud Trial, SNS, SQS, EBS, Route 53 |
| Containerization Tools | Docker, Kubernetes, Mesos, Docker Swarm |
| Configuration Management Tools | Chef, Puppet, Ansible, Salt stack |
| Monitoring Tools | Splunk, Dynatrace, Nagios, ELK, Datadog, AppDynamics, Grafana |
| Databases | Oracle, MySQL, MongoDB, SQL Server, MS SQL, NOSQL, Cassandra, Elasticsearch |
| ETL Tools | SAP BODS, SAP BI, MSBI |
| Backup Tools | VERITAS/Symantec Netback up |
| Build Tools | ANT, MAVEN, Hudson, Jenkins, Bamboo, XL release and XL deploy |
| Version Control Tools | Sub version (SVN), GIT, GIT Hub, Perforce, BIT BUCKET |
| Web Servers | Apache, Tomcat, Web Sphere, JBOSS, WebLogic Web, Networking |
| Languages/Scripts | C, HTML, Shell, Bash, PHP, Python, Chef, PHP, Ruby, Perl |
| SDLC | Agile, Scrum |
| Web Technologies | HTML, CSS, Java Script, Bootstrap, XML, JSON, XSD, XSL, XPATH |
| Operating Systems | Red Hat, Ubuntu, Linux & Windows, CentOS, Debian |
| Bug Tracking Tools | JIRA, Bugzilla, |

**PROFESSIONAL EXPERINCE**

**Client: JPMC, Wilmington DE June 18 - Till Date**

**Role: DevOps Engineer**

**Responsibilities:**

* Developed and implemented Software Release Management strategies for various applications according to the **agile** process.
* Imported and managed multiple corporate applications into **Subversion (SVN).**
* Participated in weekly release meetings with **Technology** stakeholders to **identify** and **mitigate** potential risks associated with the releases.
* Created Automation to create infrastructure for Kafka clusters different instances as per components in cluster using Terraform for creating multiple EC2 instances & attaching ephemeral
* Perform **hardware** and **OS** capacity planning for existing applications, providing recommendations to application owners and implementing solutions to allow for application and database expansion and performance.
* Contribute to **Linux server** standards discussions and documents
* Work with **database** and **application** teams to gather requirements for new projects and expansion to existing applications.
* Written **make, Maven and Ant** build tools for application layer modules.
* Responsible for building components to connect to other micro-services using Kafka, Elastic search, REST.
* Hands on Experience of Spring, Spring Boot, Hibernate, SQL, Unix, C++, Security Module like SAML, LDAP etc
* Installing and configuring Elasticsearch, Log Stash and Kibana on multiple nodes in Linux/Windows environment.
* Expertise in creating Pods using **Kubernetes** and worked with Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to **Kubernetes.**
* Performed integration of Code Quality Analysis Techniques using **SonarQube, check style** and find bugs with CI tools.
* Experience in integrating **Unit Tests** and code **Quality Analysis** Tools like **JUnit, SonarQube** and Find bugs.
* Build/update **Docker images** for test Puppet and other applications, push it to the **Jfrog Artifactory**
* Maintained and developed infrastructure using **Jenkins** and multiple **AWS tools**.
* Developed **Shell/Perl** Scripts for automation purpose.
* Used **Jenkins, Build forge** for Continuous Integration and deployment into **Tomcat** Application Server.
* Experience in installation and configuration of **Puppet**.
* Pumping data from various databases and files to Elasticsearch using Log Stash
* Worked on migration from **Datacenter** to **AWS**.
* Automated Installation and configuration of Apache, Tomcat servers using Python and supported implementations of Kafka and Rabbit MQ message servers running Linux and Windows server.
* Managed **SVN** repositories for branching, merging, and tagging.
* Supported **AWS Cloud** environment with 2000 plus **AWS** instances configured Elastic IP and Elastic storage deployed in multiple Availability Zones for high availability.
* Developed and deployed stacks using AWS **Cloud** Formation Templates (CFT) and **AWS** Terraform
* Developed Perl and shell scripts for automation of the build and release process.
* Involved in editing the existing **ANT/MAVEN** files in case of errors or changes in the project requirements.
* Designed, wrote and built deployment using Ant/ Shell scripting and automate overall process using
* Used **Puppet** for application automatic deployment and provisioning to different environments.
* **Used ANT** tool has been used for the build and deploy procedure scripts in **UNIX**.
* Created and maintained the **Shell** deployment scripts for **Tomcat** web application servers.
* Prepare dashboards using **Kibana** on top of Elasticsearch indexes.
* Installed/Configured/Managed **Jenkins CI Automation.**
* IPSec VPN Tunnel Management with PSK/PKI Authentication.
* Created **Gherkin** features and execution of ATDD scripts through **Gherkin feature files**.
* Worked with **Cassandra** for non-relational data storage and retrieval on enterprise use cases
* Installed/Configured and Managed **Nexus** Repository Manager and all the Repositories.
* **Used JIRA** as ticket tracking, change management and Agile/SCRUM tool.

**Environment**: **AWS, Subversion (SVN), Jenkins, Java/J2EE, ANT, MAVEN, Puppet, Cucumber, Gherkin, Cassandra, TC Server, Tomcat, Perl Scripts, Shell Scripts, XML, Data Center, UNIX, Windows 7, Oracle, Service Now**.

**Client: IBM [In-house project], Dallas TX Nov 16 – May 18**

**Role: Build & Release Engineer**

**Responsibilities:**

* Created **Builds** and **deployed** builds to different environments based on requests **ACM** solution was designed that would use **SVN**. The design and implementation included streams and view for the developers
* Provided technical-support to developers with configuration issues. Defined and implemented Issues, Tasks, Defects and Change management processes using **JIRA**.
* Expertise in Continuous Delivery tools like **Puppet.**
* UNIX, Enterprise JAVA, JDBC, Security Module like SAML, LDAP
* Provided **'Manual', 'Continuous Integration', 'Gated Check-in' and 'Schedule'** builds (along with the option to force builds on that schedule even if no changes occurred since the last build)
* Performed installation, configuration and administration of **SVN Linux** environment
* Building servers using **AWS** and implementing best practices Maintain existing server infrastructure and lead platform level initiatives
* Used **Puppet** for application automatic deployment and provisioning to different environments.
* Engineer and document solutions and processes that are innovative and help the team become more efficient in the deployment and support of the server environments
* Managed builds and made necessary changes to **ANT** build scripts for **JAVA/WEBSPHERE** based applications.
* Developed and maintained **Perl/Shell** scripts for build and release tasks.
* Configured &implemented **SVN**. Involved in conversion of the source code from the **SVN** to **GIT**. Worked closely with another CM team, which was migrating from SVN to GIT.
* Experience in setting up Team Deploy for **TFS** to perform deployments as a post build task.
* Automate infrastructure platform tasks including patching across the ecosystem
* Resolved a history of problematic network failure by troubleshooting **LAN/WAN** connections between multiple stores for a regional retail chain.
* Deployed JAVA/J2EE applications through **Apache Tomcat**.
* Strong in building Object Oriented applications using **C++** and **Java**
* Administered**SVN**forversioncontroltoincludebranchingandmergemanagement, and **JIRA** to track process defects.

**Environment**: **C++and Java/J2ee, ANT, SVN, GIT, Puppet, Linux, Shell, Hudson, Apache, Tomcat, nexus, JIRA, SQL Server.**

**Client: Kroger Cincinnati Ohio Sept 15 – Sept 16**

**Role: Build and Release Engineer**

**Responsibilities:**

* Closely worked with developers, project managers and product owners to setup the **road map**, and supported **day to day** build issues.
* As a Release Engineer, supported multiple teams for multiple applications including **Java/J2EE** and **iOS**.
* Attended every day **scrum** meetings and weekly **sprint** meetings to evaluate completed work and to handover new tasks.
* Responsible for maintenance of source control systems **Subversion** and **Git**.
* Used **Maven** to build rpms from source code checked out from **GIT** and **Subversion repository**, with **Jenkins** being the Continuous Integration Server and **Artifactory** as repository manager.
* Maintained two **Jenkins** servers and one **Bamboo** server to deploy into production and non-production environments. Migrated Jenkins plans from one of the **Jenkins** to **Bamboo**.
* Identify **Configuration Items (CI)** and document their characteristics. After every deployment, delivered the Release notes on Confluence site.
* Performed configuration and troubleshooting of services like **NFS, FTP, LDAP** and **Web servers**
* Viewing the selected issues of web interface using **SonarQube**.
* Involved in Setting up the backup server for Jenkins and prepared **disaster recovery** plans for **Jenkins** and **bamboo.**
* Deployed Enterprise Application Archive **(EAR),** Web Application Archive **(WAR), JSP’s**, and **Servlets** in staging, production.
* Created and maintained **Shell, Python** scripts for building applications.
* Knowledge of **Chef** as Configuration management tool, to **automate** repetitive tasks, quickly deploy critical

Applications, and proactively manage change.

* Involved in release planning and executed the release build request from the project team through **JIRA Ticket.**
* Build automation to use with the continuous integration scenario for triggering coordination with **TFS** Release Management.
* **Installed** and **configured** Tools for Jenkins Continuous Integration environment from scratch for iOS builds and Deployments.
* Implemented **Automated Application Deployment** using **chef**.
* Create platform and compliance reports for management
* Communicate effectively with peer employees and senior management.
* Perform assigned duties independently with minimal management oversight.
* Installed and Configured **Jenkins Plugins** to support the project specific tasks.

**Environment:** **Git, Subversion, Apache Tomcat, Bamboo, Jenkins, Maven, Confluence, Artifactory, Rally, Jira, Chef, CentOS, Python, Yum, Shell Scripts.**

**Client: SONATA SOFTWARE. INDIA. May2011–Apr 14**

**Role: Linux Administrator**

**Responsibilities:**

* Installation and configuration of **Solaris** 9/10 and **Red Hat Enterprise** **Linux** 5/6 systems.
* Involved in building servers using jumpstart and Kickstart in **Solaris** and **RHEL** respectively.
* Installation and configuration of **RedHat virtual servers** using ESXi 4/5 and Solaris servers (**LDOMS**) using scripts and Ops Center.
* Performed package and patches management, firmware upgrades and debugging.
* Addition and configuration of SAN disks for LVM on **Linux**, and **VERITAS** Volume Manager and **ZFS** on **Solaris LDOMs.**
* Configuration and troubleshooting of NAS mounts on **Solaris** and **Linux Servers**.
* Configuration and administration of **ASM** disks for **Oracle RAC servers**.
* Implemented best practices of agile methodology to speed up the delivery process efficiently
* Configuration of Multipath, **EMC power path** on **Linux, Solaris Servers**.
* Provided production support and **24/7** support on rotation basis
* Analyzing and reviewing the System performance tuning and Network Configurations.
* Managed Logical volumes, Volume Groups, using **Logical Volume Manager**.
* Merged Develop branches to Master Branch after successfully completing pull request in **stash**
* Worked on Jenkins to deploy code in **Staging** and **Production** environments.
* Managed **administrative tasks**, **roles** and **permission** and site maintenance through Demand ware Exchange.
* **Executed** various scripts to automate build and release process.
* Recommend and implement changes to existing hardware and OS (Solaris & Linux) infrastructure including patches, users, file systems, and **kernel parameters**.
* Apply security and **kernel** patches to **Linux servers** to ensure a secure environment and adhere to enterprise compliance standards
* Support **data management** platform **initiatives**
* Document operating and deployment procedures for other team members to follow.
* **Punctual, regular**, and **consistent** attendance.
* Communicated failed builds and error-logs to QA and Developers to **debug** and **troubleshoot** problem areas.

**Environments: Solaris 9/10/11, RedHat Linux 4/5/6, AIX, Sun Enterprise Servers E5500/E4500, Sun Fire V1280/480/440, Sun SPARC 1000, HP 9000K, L, N class Server, HP & Dell blade servers, IBM RS/6000, VMware ESX Server.**

**EDUCATION:**

Bachelors from Tribhuvan University.