**DevOps Engineer**

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SUMMARY:

* Skilled Professional with **8 years** of experience in IT industry comprising Software configuration management (SCM) & Linux System Administration, Build/Release management, Amazon Web Services and DevOps with Testing experience in Agile Methodology.
* Comprehensive understanding of the principles and best practices of Software Configuration Management (**SCM**) processes and worked on microservices architecture which include **compiling, packaging, deploying** and **Application configurations**.
* Experience in working on source controller tools like **Subversion (SVN), GIT, Clear case, VSS and Harvest.**
* Experience in software build tools like **Apache Maven, Apache Ant** to write **Pom.xml** and **Build.xml** respectively.
* Strong working knowledge in defect tracking and ticketing tool **JIRA, Confluence and Service now.**
* Experience in setting up Upstream and Downstream Jobs **Jenkins** and **Hudson**. Worked with **Jenkins Pipelines**.
* Worked with Team Foundation Version Control (TFVC) to scale from small to large projects, and by using server workspaces.
* Experience in administering and configuring **Nexus** Repository Manager for **Maven** builds.
* Improved continuous integration workflow, project testing, and deployments with **Jenkins**. Implemented code coverage and **unit test plug-ins** with **Maven** in **Jenkins**.
* Experience in using build automation tools like **ANT, Bamboo and Gradle.**
* Expert in deploying the code through web application servers like **WebLogic**, **Web Sphere/Apache Tomcat/JBOSS.**
* Had experience with Urban Code for rapid feedback and continuous delivery.
* Ability to build deployment, build scripts and automated solutions (using scripting languages such as **Python** **Ruby**, **Shell, Perl, JavaScript, AWK, etc.)**
* Experience in Querying **RDBMS** such as **Oracle, MY SQL and DB2** by using **SQL** for data integrityand worked with Hibernate for CURD operations.
* Extensively worked with Chef to automate the infrastructure as a code using cookbooks.
* Worked with Apache Kafka to maintain continuous streaming and messaging system.
* Experience with automation/configuration management using Puppet with Installation of **Puppet Master, Agents, Puppet DB, Custom Modules and Manifests and Puppet** Open Source with **Apache and Phusion Passenger.**
* Had experience in developing Ansible playbooks and Provisioning,
* Good knowledge in **bash/shell scripting and window power shell scripting.**
* **Experience in** the open source monitoring tools Splunk and Nagios logging tool ELK**.**
* Experience with Docker and Vagrant for different infrastructure setup and testing of code.
* Good understanding of Openshift platform in managing Docker containers and Kubernetes Clusters.
* Automated the Continuous Build process, monitored, maintained, and controlled software configurations in secured distributed environment.
* Expertise in using Artifact Repository for maven builds cloud-based servers like **AWS** and on Virtualization technologies like **VMware vSphere** & **XEN.**
* Experience in various **IaaS** architectures including **Red hat OpenStack**, VMware vCloud suite, Eucalyptus, and Cloud Stack, hypervisor technologies including **Red hat KVM**, **VMware vSphere and Microsoft Hyper-V.**
* Had experience in API testing with SoapUI.
* Instigated integration process **run-book documentation** and streamlined alert notifications for quicker incident solution.
* Had experience with LDAP and Microsoft Active Directory.
* Good understanding of Operating Systems like **Linux, UNIX, Windows, Mac OS.**
* Proficient in trouble shooting complex build problems, release issue and environment issues in multi component environment.
* Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
* Self-motivated, quick learner takes independent responsibility to contribute and teamwork skills.
* Worked with all areas of Development teams to ensure the build and deployment process serves better quality for the business.

PROFESSIONAL SKILLS:

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| Build Tools | Ant, Maven, Gradle. |
| Configuration Tools | Puppet, Chef, Ansible. |
| CI Tools | Hudson, Jenkins, IBM Urban code, TeamCity, Bamboo. |
| Operating Systems | Windows 7/Vista/XP/2003/2000/NT/98/95, Linux, Unix, Mac OS. |
| Database Systems | MySQL, MongoDB, Cassandra, PostgreSQL, SQL Server |
| Web Servers | Web logic, Web Sphere, Apache Tomcat, JBOSS, JMeter, Oracle Application Server 10 g BEA WebLogic 8.1/9.2, DNS, LDAP, DHCP |
| Version Control System | Subversion (SVN), GitHub, Bitbucket, Clear Case, CVS, GIT, VSTS, Alfresco and Harvest |
| Web Technologies/Services | Google web Toolkit, LDAP, Active Directory, Apache Kafka Html, CSS, Spring, Spring-boot XML, XSLT, HTTP, SQL, Servlets/JSP, JSON, JDBC, Hibernate. |
| Software Container | Docker, Kubernetes, Microservices, Vagrant |
| Tracking tools /Monitoring tools | Atlassian tools JIRA, Check Style, Confluence, ServiceNow, Bamboo, JIRA Service Desk, SoapUI, Nagios, Splunk and Bugzilla. |
| Repositories | Nexus, Arti factory. |
| Project Management | Maven |
| Scripting Languages | Ruby, Python, Groovy, PowerShell, Java Script, Shell, Node.js, Bash, Perl, Angular JS. |
| Cloud Services | Amazon Web Services: EC2, IAM, Elastic Search, Elastic Load Balancer(ELB), Elastic Bean Stalk, RDS(MySQL), Dynamo DB, S3, Glacier, VMware, Cloud Watch, Cloud Formation, SQS, SNS, VPC, Route53, Code Deploy, Direct Connect, Openstack. |

PROFESSIONAL EXPERIENCE:

**8\*8 Inc, San Jose, CA October 2015 to till date**

**Role: Build and Release Engineer**

**Responsibilities:**

* Worked closely with the development and operations organizations to implement the necessary tools and process to support the automation of builds, deployments, testing and infrastructure (infrastructure as code) using Chef.
* Migrated service from a managed hosting environment to AWS including: service design, network layout, HIPAA compliance, data migration, automation, monitoring, deployments and cutover, documentation, overall plan, cost analysis, and timeline.
* Use Amazon ECR with Docker CLI allowing you to push and pull images form our development environment to Repositories and for API operation with repositories.
* Worked as part of Microservices team to develop and deliver Maven projects to deploy on tomcat.
* Kubernetes is used to orchestrate deployment, auto scaling and management of docker Containers.
* Enhanced Kubernetes Services before deleting corresponding pod in Openshift Cluster.
* Good understanding of Openshift platform in managing Docker containers and Kubernetes Clusters.
* Docker is used for creating images that are deployed on AWS as Microservices.
* Used Docker and OpenShift to manage micro services for development and testing and Streamlined installation of openshift on partner cloud infrastructure AWS.
* Integrated Docker container orchestration framework using Kubernetes by creating pods, configMaps and deployments.
* Evaluated Marathon and Kubernetes for Docker container orchestration.
* Used kubernetes to deploy scale, load balance, scale and manage containers.
* Created Docker images for SOA projects that are developed as Microservices.
* Developed CI/CD system with Jenkins on Google's Kubernetes container environment, utilizing kubernetes and docker for the runtime environment for the CI/CD system to build and test and deploy.
* Worked on Chef extensively for deployment of AWS EC2 instances, creating custom scripts and managing changes through chef server on its clients and for migrating Inhouse systems to Aws
* Worked with Cloud Foundry for the fast application development and deployment.
* Assembling chef workstation, chef server and chef clients on multiple Red Hat Enterprise Linux Platforms.
* Developed Chef recipes to configure, deploy and maintain software components of the existing Infrastructure.
* Used Chef to automate Configuration management & Applications, manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages. Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
* Experience on developing **Chef(getchef.com)** cookbooks for the automation of software installation and configuration of customer infrastructures.
* Ran Ansible scripts to provision Dev servers and develop Ansible playbooks the entry point of provisioning where the automation is defined tasks using YAML format.
* Manage the configurations of different servers utilizing Ansible.
* Managed SVN & GIT repositories for branching, merging, tagging and resolved merging issues during rebasing and re-integrating branches by conducting meetings with development Team Leads.
* Develop the Ansible playbooks and Chef cookbooks and recipes and roles to automate the deployment of applications to different Prod/Perf/QA Environments and managing Ansible tower.
* Experience with bitbucket for collaboration of code and manage the source code.
* Worked with elastic beanstalk for Deploying and scaling web applications.
* Worked with Apache JMeter to perform load testing on webserver while deploying java web applications.
* Wrote the PowerShell Scripting to automate a range of tasks in an OS diverse environment to deploy the build artifact into cloud servers.
* Design and Coding of PowerShell Infrastructure Automation Framework for building out full stack of a SaaS solution hosted in cloud for production.
* Maintain the PowerShell scripts to configure the upgrade Exchange environment and for monitor and maintain production environment.
* Worked with Docker as manager for infrastructure and used it as great image distribution model for server templets built with chef and Ansible.
* Implemented Vagrant, a production like virtual development environment for developers.
* Implement used Jenkins for Continuous Integration and deployment into Tomcat/Web logic Application Server.
* Deployed monitoring systems via Nagios to provide operations visibility and help meet internal SLA.
* Manage all CI tools (SVN, Maven, Jenkins, GIT, GitHub) and their usage process ensuring traceability, repeatability, quality, and support.
* Involve in provide the developing environment for the developers using Docker Container’s.
* Worked on high-volume crash collecting and reporting system, built with Python.
* Worked with LDAP and Active Directory to maintain the centralized domain management.
* Worked with amazon Elastic Search for built in integration with the Kibana, Log Stash.
* Completely taking the responsibility of Jenkins, GitHub, Chef and Maven to automate the deployment of applications and while coordinate with the core development team and level2 support team.
* Deploy and monitor scalable infrastructure on cloud environment Amazon web services (AWS) /Open stack and configuration management using Ansible & Chef.
* Worked with SoapUI to functionality covers web service inspection, invoking, development, simulation and mocking, functional testing, load and compliance testing.

**Environment**:   **Red Hat Enterprise Linux 5.x/6.x, 7.x, JAVA/J2EE, Spring, JMeter, Hibernate, jQuery, SoapUI, Angular.js, Microservices, AWS VPC-EC2-IAM-RDS-ECR-ELB-ELK-SQS-SNS-Route53, Chef, Groovy, Openshift, Nagios, Python, LDAP, Active Directory, Maven, Jenkins, GIT, GitHub, Bitbucket, Ansible, PowerShell, Vagrant, Tomcat/Web logic Application Server, Docker, My SQL Server, Cassandra, Nexus Artifact.**

**Client: Target, MN January 2014 to September 2015**

**Role: Build and Release Engineer**

**Responsibilities:**

* Worked on Cisco Service Portal and Cisco Intelligent Automation Center 2.8 for setting up self-service private cloud model.
* Installed and Administered Jenkins Continuous Integration and build pipelines.
* Created PowerShell Scripts using PowerCLI to interact with VMware vSphere for provisioning and removal of VM's.
* Develop PowerShell script for customer account monitoring to decrease application latency.
* Improved customer experience by creating custom PowerShell monitoring of Reverse Geocoding Linux servers.
* Supported the team by providing documentation and installation instructions assistance to create Puppet Modules for the non-production environments.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming Designing and implementing for fully automated server build management, monitoring and deployment By Using DevOps Technologies like Chef, Puppet.
* Manage configuration of Web App and Deploy to AWS cloud server through Chef.
* Written Chef Cookbooks using groovy to install software's on new build machines.
* Implemented multi-tier application provisioning in OpenStack cloud, integrating it with Chef/Puppet.
* Designing and implementing fully automated server management, monitoring and deployment By Using Technologies like Chef.
* Experience in working on version control systems like Subversion, and GIT and used Source code management client tools like Git Bash, GitHub, Git GUI and other command line applications.
* Imported and managed with various corporate applications into GitHub code administration repo and Managed GIT and SVN as Source Control Systems and Managed GIT repositories for branching, merging, and tagging.
* Setup Urban Code Deploy workflows for automated deployment.
* Worked with Apache Kafka to build the real-time data pipe line and streaming purpose.
* Had experience with open source Testing tool SoapUI for functional testing.
* Analyzing ANT Projects for Converting ANT Build Projects to Maven Build Projects.
* For Inspection of build outcome and output worked with in Gradle.
* Build release of Cloud based products containing Linux environment, using TFS and Python Scripting.
* Build the strategies and contracts for validation of deployments and automated rollbacks in Udeploy.
* Worked with the JMeter for the unit testing while testing web applications, Develop the web applications using Jetty server along with Apache maven.
* Worked with Node.js for non-blocking I/O model that makes it lightweight and efficient.
* Managed Maven project dependencies by creating parent-child relationships between projects
* Alfresco used due to the ease of use and integration capabilities in the working environment for the integrate content in to process.
* For developing Stand-alone and production grade spring based applications worked with Spring-boot. Designing and implementing fully automated server build management, monitoring and deployment by using Chef and puppet.
* Developed and implemented Software Configuration Management strategies for various applications per the agile process.
* Managed the Subversion branching strategy for few applications by creating Release branches, Development branches thus ensuring the integrity of source code.
* Worked with Spring Security for the extensible Authentication and Authorization against attacks like Session fixing.
* Build the Java2EE applications using SpringMVC, Hibernate and Junit and jQuery.
* Deal with CURD operations and used hibernate for database connectivity.
* Participated in weekly release meetings with Technology, stakeholders to identify and mitigate potential risks associated with the monthly releases.
* Involved in troubleshooting the automation of Installing and configuring JAVA applications in the test and pre-production environments.
* Created & maintained cookbooks and recipes in Chef, puppet manifests for continuous deployment of resource in SITE/PAGING and PRODUCTION ENVIRONMENT

**Environment**: **Subversion, GIT, GitHub, VSTS, Java/J2EE, Node.js, Angular.js, jQuery, Hibernate, Spring-boot and Spring -Security, Apache JMeter, JBOSS, Maven, Jenkins, JIIRA, LINUX, Apache Kafka, Red Hat, Chef, Puppet, Groovy, AWS, DNS, Nagios, ­Python, Udeploy, PowerShell, ­­­­ SoapUI, Shell Scripting, Bash, Docker, JFrog Artifact.**

**American Water, Voorhees, NJ October 2012 to December 2013**

**Role: Linux & Build and Release Engineer**

**Responsibilities:**

* Participated in the release cycle of the product which involve environments like **Development, INT and QA.**
* Strengthening security by implanting and maintaining network address Translation in company’s network.
* Worked with Centos, Red hat Linux monitoring process and responsible for creating and managing user accounts, disk Spaces, Security.
* Involved in installation and upgradation of Red Hat Linux using kickstart servers.
* Involved in Creating Virtual Machines using Linux Virtual Machines.
* Configures the Security management, NFS, FTP, DNS and remote access.
* Worked on integrating SVN into the continuous integration (CI) environment with Hudson.
* Developed a continuous deployment pipeline using Hudson, Ruby/shell scripts.
* Supporting Local system administrators to troubleshoot Configuration Management and Network issues.
* Create Hudson Slave to distribute the load across the multiple windows and Linux servers.
* Importing the data in Splunk through inputs. Conf, Props. Conf and transforms. Conf.
* Automation/Simplification of Digital Guarding process through SPLUNK.
* Responsible for configuration, maintenance, and troubleshooting Portal.
* Used SVNfor Software Configuration management and maintaining the versions of code.
* Involved in set up cd environment with focus on Urban code Udeploy.
* Write automated scripts along with udeploy to back up the server and restore from backup for disaster recovery.
* Wrote the PowerShell scripts to automatically restart agents on LINUX machines.
* Involved in large-scale puppet implementation and maintains.
* Manage java applications across Unix/Linux servers by developing automate scripting in python using puppet.
* To automate the system operations created puppet manifests and modules.
* Deployed and Monitored automated infrastructure environment with puppet.
* Managed **SVN** repositories for branching, merging, and tagging.
* Developed Shell/Batch/Perl Scripts for automation purpose.
* Resolving merging issues during build and release by conducting meetings with developers and managers.
* Responsible for designing and deploying best SCM processes and procedures
* Used **Ant** Scripts to automate the build process.
* Developed **UNIX** and **Perl Scripts** for manual deployment of the code to the different environments and E-mail the team when the build is completed.
* Created deployment request tickets in **Bugzilla** for the deploying the code to Production.
* Attended the **Minor/Major Event change control** meetings to get necessary approvals at for the deployment request.
* Used **Perl/Shel**l to automate build and deployment Process.
* Coordinated with developers, Business Analyst and Mangers to make sure that code is deployed in the Production environment

**Environment**: **SVN, ANT, UNIX, Linux, Perl Scripts, PowerShell, Bugzilla, Web Sphere Application Server, JIIRA, Maven, UDeploy, ANT, Hudson, Puppet, UNIX Shell Scripting, Splunk, Anthill Pro, Nexus.**

**Gryphon soft Solutions Pvt.Ltd, Bangalore, India June 2011 to September 2012**

**Role: Linux Administration**

**Responsibilities:**

* Responsible for the Development, SIT and QA Environments.
* Used **Harvest** as Version control and Process Control Tool.
* Involved in creating Release branches, Merging and Re-integrating the changes to Trunk.
* Developed the **Maven** build scripts (pom.xml).
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Integrating the code quality analysis tools like Find **Bugs**, **and JUnit**, **PMD**, and **Check style** into the projects.
* Installed and Configured the **Apache Tomcat** application servers for Dev and Integration Test Environments.
* Worked in Agile Project management Process.
* Built and Deployed **Java/J2EE** to Tomcat Application servers in an agile continuous integration process and automated the entire process.
* Involved in periodic archiving and storage of the source code for disaster recovery.
* Developed, maintained, and distributed release notes for each scheduled release.
* Performed Database Tasks as executing DML’s in **MySQL**.
* Participated as an active member of Change Control Board in Production Readiness process.
* Worked with HP QC for Issue Tracking and monitoring.
* Worked closely with the Development Team in the design phase and developed use case diagrams using Rational Rose.
* Worked with the Architects on SDLC process being the owner of post development environments
* Skilled in supporting **Web Sphere, Web Logic, and JBOSS** application Server.
* Ability to build automated scripts and coordinate with the software development team.
* Strong knowledge of software configuration management systems and control systems
* Coordinated the resources by working closely with Project Managers for the release and carried deployments and builds on various environments using continuous integration tool Developed and implemented the software release management for the release of web applications.

**Environment**: **Harvest, Apache Tomcat, JIRA, Clear Quest, Perl Scripts, Java/J2EE, MySQL, Web Sphere, Junit, Apache Tomcat.**

**Halcyon Technologies PVT Ltd, Hyderabad, India June 2009 to May 2011**

**Role: Linux administration**

**Responsibilities:**

* Installed and configured several hundred Red Hat/ CentOS servers on VMware ESXi 5.1 Virtual Environment.
* Configured Red Hat Cluster Nodes for any legacy applications and verified the daily health check on the Cluster Nodes.
* Installing and configuring Red Hat /CentOS 6.X using kick start servers in physical and virtual server environment
* Installing and updating packages using YUM (custom YUM servers/repositories) and Red Hat Satellite Server.
* Configured and Administered Apache, VSFTPD services, MYSQL and Tomcat.
* Participating in 24x7 production on-call support of Linux and provided technical support to users.
* Installation, Configuration, upgrade and administration support of production Servers.
* Configured and deployed patches, upgrades, bug fixes on both physical and virtual Red Hat Linux servers using satellite servers.
* Implemented rapid provisioning and life cycle management for Red Hat LINUX using kickstart.
* Installation, configuration and deployment of LAMP server
* Expertise in security hardening (iptables/selinux) major Production Servers, and compiling, building and installing web server based Linux tools.
* Experience in performing, uploading and upgrading new firmware on the Interconnects and Chassis
* Familiarity with Php-based server applications and send PHP IDE.
* Proficient in providing support on the deployed Red Hat Enterprise Linux & Sun Solaris servers from both operating system level and application Level.
* Expertise in configuring Red Hat Cluster Nodes for any legacy applications and verified the daily health check on the Cluster Nodes utilizing clusters.
* Expertise in creating VM Templates, cloning and managing Snapshots.
* Expertise in working with MySQL databases, Apache Web server, Tomcat Application Servers
* Troubleshooting any performance or configuration issues with MySQL and Oracle.
* Expertise in hardening, Linux Server and Compiling, Building and installing Apache Server from sources with minimum modules.
* Maintenance of DNS (Bind) zones, adding, removing of DNS Records, ensures replication.
* Installation and configuration of zabbix monitoring system.
* Monitoring and troubleshoot backups and schedule Cron jobs.
* Experience in scripting using BASH & PERL, Samba Server and Apache Server.
* Patch management of servers and maintaining server’s environment t in development / QA / Staging /Production.
* Installation and configuration and setup of Docker container environment.

Resolving assigned tickets in Development/QA/Staging/Production.

* **Environment: RHEL 4.x/5.x/6.x, Centos, Solaris, VERITAS Volume Manager 3.x/ 4.x, VERITAS Storage Foundation 5, VMware ESXi 5.1, NFS, DNS, SAN/NAS.**