**DevOps Engineer**

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**SUMMARY**

* Software Engineer with over 7 years of extensive experience in configuration management, build and release engineering, process development, and tools support including code compilation, packaging, and deployment/release methodology.
* Production experience in large environments using configuration management tools **Chef and Puppet.**
* Proficient in automating, configuring and deploying instances on **Amazon Web Services.**
* Expertise in Amazon AWS Cloud Administration which includes services: **EC2, S3, EBS, VPC, ELB, Route 53, Auto Scaling, Security Groups, and Cloud Formation.**
* Experience supporting chef environment with 100+ servers and involved in developing manifests.
* Hands on experience with container based deployments using **Docker**.
* Proficient with Linux/UNIX/Windows systems, maintenance of user groups, development integration, tools infrastructure, installation and maintenance.
* Knowledge on **Java/J2EE** and wrote **shell scripts (Bash), Python and Perl** for automating tasks.
* Experience in Administration of Production, Development and Test environment’s carrying **Windows, Ubuntu, Red Hat Linux, Centos and Solaris servers**.
* Expertise in designing, configuring and implementing **SCM** standards and procedures using **StarTeam, SVN, CVS and IBM Rational ClearCase**.
* Experienced in branching, tagging and maintaining the version across the environments using SCM tools like **GIT, Subversion (SVN) and TFS** on Linux and windows platforms.
* Extensive experience and highly proficient in **CVS-GIT migration, GIT repositories structure, branching model and access control.**
* Experience in **Planning, implementing** and **maintaining deployment** solutions for all the products responsible for in the Business organization.
* Experience in managing environments **DEV, QA, UAT, and PROD** for various releases and designed instance strategies.
* Extensive experience and highly proficient in writing scripts in **ANT and Maven** for build management.
* Experience with Atlassian tools like Jira, and confluence.
* Well versed with deploying/configuring/tuning Enterprise Applications in **WAS, Tomcat, WebLogic, and Web Sphere**.
* Experience in establishing capabilities in application design, implementation, troubleshooting, monitoring, continuous improvement and change controls. Enhances and automates internal processes to generate efficiency.
* Excellent communicative, interpersonal, intuitive, analysis and leadership skills with ability to work efficiently in both independent and team work environments.

**EDUCATION:**

Bachelors of Engineering in Information Technology.

TECHNICAL SKILLS:

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| **Version Control Tools** | CVS, SVN and GIT |
| **Project Management Tools** | JIRA and RALLY |
| **Scripting Languages** | Shell, Ruby, Python, groovy |
| **Databases** | MySQL, MS Access, Oracle, PL/SQL |
| **Application Servers** | WebLogic, WebSphere, JBOSS, Tomcat |
| **Build Tools** | Ant and Maven |
| **Configuration Management Tools** | Jenkins, Docker, Chef, Puppet |
| **Cloud Computing Services** | AWS, VMWare, Azure |
| **Operating Systems** | UNIX, LINUX, WINDOWS |

**EXPERIENCE:**

Broad ridge Financials, Andover, MA. Oct 2014 till Present

Role: DevOps Engineer

Responsibilities:

* Created and maintained cookbooks and recipes in **Chef** for continuous deployment of resource in the production environment.
* Designed and implemented fully automated server build management, monitoring and deployment by using Technologies like **Chef**.
* Used **Chef** to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points and Packages.
* Defined and deployed monitoring, metrics, and logging systems on **OpenStack**.
* Implemented **AWS** solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer** and **Auto scaling** groups.
* Migrated standalone applications from local to **AWS** cloud.
* Deployed artifacts on **AWS** with **Jenkins** AWS Code Deploy plugin.
* Implemented the setup for master slave architecture to improve the performance of **Jenkins**.
* Used **Jenkins** for Continuous Integration and deployment into Tomcat Application Server.
* Designed and deployed best **SCM** processes and procedures.
* Managed **GIT** repositories for branching, merging, and tagging.
* Coordinated/assisted developers with establishing and applying appropriate branching, labelling/naming conventions using **GIT** source control.
* Analyzed and resolve conflicts related to merging of source code for **GIT**.
* Maintained and coordinated environment configuration, controls, code integrity for all repositories.
* Installed, configured and administered **Jenkins** CI tool on machines.
* Deployed application and configured environment using Chef, Puppet and Ansible.
* Developed **Shell Scripts & Perl Scripts** for automation daily tasks involved in maintenance of builds, logs & releases.
* Implemented and managed continuous delivery systems and methodologies.
* Participated in the release cycle of the product that involved different development teams and multiple simultaneous software releases.
* Deployed **Java/J2EE** applications to application servers in an agile Continuous Integration environment and automated the whole process.
* Supported and developed tools for integration, automated testing and release management.
* Verified if the methods used to create and recreate software builds are consistent and repeatable.
* Participated in research of the project application architecture to support/resolve build, compile, and test issues/problems.

**Environment:**Git, Chef, Puppet, Jenkins, AWS, Ant, Red Hat, Shell Scripts, Tomcat, JIRA, Java/J2EE.

Voya Financials, Des Moines, IA Nov 2012 to Sep 14

Role: DevOps Engineer

Responsibilities:

* Created **Puppet** manifests and modules to automate system operations.
* Delivered an end to end continuous integration - continuous delivery system for the products in an agile development approach using **Puppet** and **Jenkins**.
* Built Continuous Integration environment Jenkins, Artifactory and Continuous delivery environment using **Jenkins, Yum** and **Puppet**.
* Managed distributed applications across hybrid **AWS** and physical data canter’s.
* Implemented systems that are highly available, scalable, and self-healing on the **AWS** platform.
* Created the **AWS VPC network** for the Installed Instances and configured the Security Groups and Elastic IP's accordingly.
* Created & Managed **Docker files** for creating necessary base images used for automation of build & deployment environments.
* Managed environments for legacy codes using specific **Docker containers** based on the required architecture.
* Maintained a Live Like environment using **Docker Containers** to test any production issues on the setup and push it into production.
* Designed and implemented fully automated server build, management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including **Jenkins.**
* Coded Coverage-Installed SONAR on **Jenkins** server and configure with the build process for the code analysis process for better code quality and code metrics, and rapid feedback for development teams and managers.
* Automated the code review process and published the results on **Jenkins** as well the graph by comparing everyday nightly builds.
* Coordinated different teams across the globe to deploy different builds to different environments on parallel development for multiple projects **(DEV, QA, PERF, AUTH, UAT, and PRODUCTION).**
* Created the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a Continuous Integration system for all our products.
* Implemented the Build automation process for all the assigned projects in Vertical Apps domain.
* Monitored the UAT/Production Environments for any down time issues by performing regular cron job updates in servers.
* Worked on new tools/methodologies to improve the existing process and show better results to all stakeholders.
* Deployed and tested Nodes/Agents, SSH in Agile methodology
* Managed daily builds and releases to QA. Debugged build failures and worked with developers and QA personnel to resolve related issues.
* Configured and maintained codebase to support the build and deployment of code on servers.
* Managed and configured **GIT**, resolve issue regarding source code management, manage branching and merging, code freeze process.

**Environment:** GIT, Jenkins, Web Sphere, Maven, Docker, CentOS, JIRA, Confluence, Service Now, Sonar, AWS

CNA Financial Corporation, Chicago, IL Jan 2011to Oct 2012

Role: Sr. Linux Administrator/Puppet Developer

Responsibilities:

* Developed and implemented Software Release Management strategies for various applications as per the agile process.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Developed Perl and shell scripts for automation of the build and release process.
* Participated in editing the existing ANT/MAVEN files in case of errors or changes in the project requirements.
* Installed/Configured/Managed Jenkins CI Automation.
* Installed/Configured and Managed Nexus Repository Manager and all the Repositories.
* Participated in all projects that move to production and work closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes
* Created and maintained the Shell/Perl deployment scripts for TC Server/Tomcat web application servers.
* Updated/upgraded ESX servers, Virtual Center servers and windows virtual machines using VMware Update manager and manual upgrades for Patching.
* Created the Release process of the artifacts.
* Imported and managed multiple corporate applications into Subversion (SVN).
* Developed and maintained of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
* Worked on Plugin Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Wrote Maven and Ant build tools for application layer modules.
* Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and automated the whole process.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Performed periodic system audits on all environments to ensure that only controlled versions of software reside all environments.
* Used Jenkins as a continuous integration tool for automation of daily process.
* Used JIRA as ticket tracking, change management and Agile/SCRUM tool.

**Environment:** Subversion (SVN), Jenkins, Java/J2EE, ANT, MAVEN, CHEF, TC Server, Tomcat, Perl Scripts, Shell Scripts, XML, UNIX, Windows 7, Oracle, JIRA.