**DevOps/Build and Release Engineer**

**PROFESSIONAL SUMMARY:**

Over **8 years** of experience as a Devops Engineer and Build and Release Engineer in automating, building, deploying, managing and releasing of code from one environment to other environments. Extensive work experience on Build Engineering & Release Management process, including building binaries & deployments of artifacts for entire life cycle model in Enterprise Applications.

* Experience in working on source controller tools like **Subversion (SVN), CVS, and GIT.**
* Extensively worked with automation tool **Jenkins,** to implement the End to End Automation.
* Extensively worked on **Hudson and Jenkins** for continuous integration and for End to End automation for all build and deployments.
* Efficient in working closely with teams to ensure high quality and timely delivery of builds and releases.
* Used **Chef**as configuration and deployment tool for **Linux** Environments.
* Skilled at Software Development Life Cycles(**SDLC**) and Agile Programming Methodologies.
* Strong proficiency in supporting Production Cloud environments (**AWS, VMWare**) as well as traditional managed hosted environments.
* Excellent configuration management using **CHEF**.
* Expert in deploying the code through web application servers like **Web Sphere/Web Logic/ Apache Tomcat/JBOSS.**
* Knowledge on **Amazon web services (AWS)** cloud instances. Created **EC2** instances, generated key pairs and worked on **EFS**, user management through **IAM**.
* Experience in Java application build tools like **Apache Maven, Apache Ant** to write **Pom.xml** and **Build.xml** respectively.
* Experience in using Nexus and **Artifactory** Repository Managers for **Maven** builds.
* Experience in Querying **RDBMS** such as **Oracle, MY SQL and DB2** by using **SQL** for data integrity**.**
* Experience in working as a Linux System Administrator on **Red hat Linux**.
* Proficient in trouble shooting complex build problems, release issue and environment issues in multi component environment. Worked on coordinating multiple releases across the projects.
* Involved in scrum calls/meetings as part of **Agile development process**.
* Hands-on Experience of the **J2EE** Framework and its components as related to Java build, test, deployment and release management initiatives.
* In-depth knowledge of computer applications and scripting like **Shell, Ruby.**
* Experienced in handling **Release Management activities.**
* Experience with setting up **Chef Infra, Bootstrapping nodes,** creating and uploading recipes**, node convergence in Chef SCM.**
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, scrum,** and **Waterfall** methodologies.
* Created environments **DEV, SIT, QA, UAT and PROD** for various releases and designed instance strategies.
* Good understanding of Operating Systems like **Linux, UNIX, Windows**.
* Good interaction with developers, managers, and team members to coordinated job tasks and strong commitment to work.
* Self-motivated, quick learner takes independent responsibility to contribute and teamwork skills.

**TECHNICAL SKILLS:**

* Operating Systems : UNIX, Linux, WINDOWS 2000/2003/XP/vista/7/8/10.
* Languages : C, JAVA, XML, HTML, SHELL, PERL.
* Databases : My SQL, MS Access, Oracle 9i/10g.
* Repositories : Nexus, Artifactory, GIT
* CM Tools : Chef and Puppet
* Web Technologies : Servlets, JDBC, JSP, XML, HTML, .Net, Java Script.
* Application Server : TomcatApache, WebSphere.
* Build Tools : ANT, MAVEN.
* Version Control Tools : SVN, GitHub.
* CI Tools : Hudson and Jenkins.
* SCM Tools : Subversion 1.5,1.6, GIT.

**PROFESSIONAL EXPERIENCE:**

**Limelight Health, Redding, CA** June 2015 to Present

**Role: Sr. DevOps Developer**

**Responsibilities:**

* Created repositories using **GIT** according the structure required with branches, tags and trunks.
* Defined branching strategies in **GIT** and implementation of best practices.
* Implemented continuous integration using **Jenkins.**
* Designed the project workflows/pipelines using **Jenkins** as CI tool for CI and CD process.
* Configured plugins for the integration tools to the version control tools.
* Coordinate with the Development, Database Administration, **QA**, and **IT Operations** teams to ensure there are no resource conflicts.
* Build, manage, and continuously improved the build **infrastructure for global software** development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using **Amazon EC2**, **Chef**, and custom **Ruby/Bash** scripts.
* Integrated **ANT** with **Jenkins** for the builds as the Continuous Integration process.
* Implementing a Continuous Delivery framework using **Jenkins**, **Chef** in Linux environment.
* Written Recipes and **Ruby** scripts to customize the **Chef** as per our environment.
* Maintaining Infrastructure automation using **CHEF.**
* Worked with the developers to configure plugins trough **Eclipse** to develop the code.
* Performed deployments to machines in **Amazon** Cloud.
* Extensively used **ANT** tool to do the builds, integrated **ANT** to Eclipse and did local builds.
* Worked with **JIRA** for issue tracking and monitoring.
* Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
* Implemented and maintained the **branching and build/release strategies utilizing Subversion(SVN) and GIT** involved in periodic archiving and storage of the source code for disaster recovery.
* Organized a daily stand-up post-deployment meeting to review all **issues being tracked**. Ensure every issue has an owner and that it is resolved while capturing the specific details about the issue, resolution, and which organizations and individuals provided the resolution.
* Documented all post-deployment issues in a log and assist in resolving these issues where applicable, maintaining timely updates within the log. Manual and Automation process of **creating branches tags and code merging.**
* Attended sprint planning sessions and daily sprint stand-up meetings.
* Ensured all steps are successfully completed and document their completion times and issue logs. Interacted with client teams to understand **client deployment requests**.

**Environment:GIT, Amazon Web Services(AWS), Chef, ANT, Jenkins, Linux, J2EE.**

**Amgen, Thousand Oaks, CA** April 2013 to May 2015

**Role: DevOps Developer/Build and Release Engineer**

**Responsibilities:**

* Perform software builds using **SVN** version control tools.
* Resolving merging issues during build and release by conducting meetings with developers and managers.
* Responsible for designing and deploying best **SCM** processes and procedures.
* Posting the Build on time & following up with the testing team on posted builds.
* Implemented Automated **Application Deploymen**t using **Chef**.
* Used SVN for branching, tagging, and merging.
* Established processes and tools to maintain code base integrity, including check-in validation rules and branch/merge processes.
* Utilize **Amazon Web Services(AWS) Cloud Formation** and **Chef** by creating DevOps processes for consistent and reliable deployment methodology.
* Responsible for building and **releasing packages to different testing environments**.
* Following up with the Test Team & Development Team after Deployments.
* Created and maintained the **Perl/Python** deployment scripts for Web Logic web application servers.
* Automated the cloud deployments using **Python** and **AWS** Cloud Formation Templates
* Installed and Configured **Jenkins** on **Linux Environment**.
* Developed **Perl/Python scripts** for automation of the build and release process.
* Developed Perl and shell scripts for automation of the build and release process.
* Involved in editing the existing **MAVEN (build.xml)** files in case of errors or changes in the project requirements.
* Developed build and deployment scripts using **MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* Perform periodic system audits on all environments to ensure that only controlled versions of software reside all environments.
* Responsible for **Plugin Management**, User Management and End to End.
* Involved in all projects that move to production and work closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross.
* Built and Deployed a web application server in an **Agile continuous integration** environment and also automated the whole process.

**Environment:SVN, Python/Perl, SCM, Java/J2EE, ANT (bild.xml), MAVEN, Amazon Web Services (AWS), Jenkins, Linux Environment.**

**Zions Bank, Salt Lake City, UT** November 2011 to April 2013

**Role: Configuration/Release engineer**

**Responsibilities:**

* Automating The Build process using Subversion (SVN), and **ANT**
* Managed builds and **wrote Build scripts for JAVA and WebSphere** based applications
* Maintained source code repository in Subversion (SVN).
* Configured **GIT** with Jenkins and **schedule jobs using Poll SCM** option.
* Successfully administrated Subversion (SVN).
* Created Continuous Build Process using Cruise Control and Hudson.
* Implemented and maintained the branching and build/release strategies utilizing Subversion (SVN) and GIT involved in **periodic archiving and storage of the source code** for disaster recovery.
* Worked with **Jira**, a tool that handles DCR (defect Change Request) MR (Maintenance Request).
* Performed system administration and operations tasks using **Jenkins**.
* Provided on-going support and administration for Subversion (SVN) and ANT build automation.
* Implemented **continuous integration using the Hudson**, which tracks the **source code changes**
* Create and setup automated nightly build environment for **Java projects using Maven**.
* Studied the **current build and release** process and automated the process using Shell scripts.
* Perform various builds for the **QA**, and Production Environments.
* Experienced in **building Java application using make files** (Ant utility), Shell Scripts.
* Managed builds and made necessary changes to **Ant build scripts** for Java/ WebSphere based applications.
* Support development engineers with **Configuration Management issues**. Assist my seniors and Project Leaders in technical issues.

**Environment: SVN(Subversion), ANT, and Maven, Unix, Perl, Python, Hudson, Java, GIT, JIRA, Shell Script, Jenkins, Web sphere server**.

**Focus Associates, Hyderabad, India** December 2009 – October 2011

**Role: Java Developer/Build Release Engineer**

**Responsibilities:**

* Developed user interface using **JSP, Struts** and **Java Script** to simplify the complexities of the application.
* Involved in the process of **Analysis, Design**, and **Development** of the application.
* Used JavaScript for client-side validations, and AJAX to create interactive front-end GUI.
* Involved in writing stored procedures, **complex queries using SQL to process the data** on MYSQL DB and Oracle 11g.
* Performed unit testing on various project modules using **JUnit framework.**
* Used **Apache Ant** as build tool.
* Responsible for maintaining the **Subversion Repositories** and the access control strategies.
* Implemented the application using the concrete principles laid down by several Java/J2EE Design patterns like **Business Delegate, MVC, Singleton, Data Transfer Object (DTO)** and **Service Locator.**
* The entire application was developed in J2EE using an **MVC** based architecture with help of Apache Struts 1.3.8.
* Managed SVN repositories for **branching, merging,** and **tagging.**
* Installed and Configured Jenkins for **Continuous Integration.**
* Used Jenkins to perform automated **Builds** and **Deployments.**
* Configured and managed the Plugin Management and User Management in **Jenkins CI Tool.**
* Deployed code from **DEV ->SIT -> QA.**
* Configured and automated the end-to-end setup for all **Jenkins Jobs.**
* Used **MAVEN** as a build tool and dependency Manager on java projects for the development of build artifacts on the source code.
* Managed different repositories in **Nexus Repository manager.**
* Wrote **MAVEN** Scripts to automate the build process.
* Worked on **Puppet** for provisioning from nexus to different environments.
* Worked with **development, testing, deployment, systems/infrastructure** and project teams to **ensure continuous operation of build** and **test systems**.
* Worked as a system administrator for the build and deployments process.
* Implemented **Configuration Management, Change Management policies** and **procedures.**
* **Build, configured** and support Application team environments.
* Developed and implemented the **software release management** for the release of web applications.
* Deployed the applications to Tomcat Application Server and **static content to apache web servers**.
* Merged release branches to the **trunk after the production release** and resolved the conflicts rose during the merge in Subversion.
* Managed the **Maven Repository using Nexus tool** and used the same to share the snapshots and releases of internal projects.
* Established processes and tools to maintain code base integrity, including **check-in validation rules** and **Branch/merge processes.**
* Used **JIRA** as ticketing tool.
* Used **Shell and Perl** Scripts for automating the daily tasks.

**Environment: Java, JSP, Servlets, Struts, HTML, CSS, JavaScript, JUnit, SQL, JBOSS, Eclipse, SVN, Jira, Jenkins, Bamboo, Maven, Ant, Linux/UNIX**.

**Sears Holdings Corp, Pune, India** August 2008 to November 2009

**Role: Intern Java Build Engineer**

**Responsibilities:**

* Involved in Design, Development and **Testing of entire product**.
* Used **ANT** for Building the applications and developing the Build Scripts.
* Worked with development team for conflict resolution at time of code merge.
* Administrating the **Subversion / Hudson**, and maintain the Development and QA Environment.
* Used **Hudson** for Continuous Integration and Automation.
* Software Configuration Management Support with **Branching and Merging strategies**, **Version Control Systems,** Integration Management, Build/Release Management and Requirement Management
* Worked on Java/J2EE Coding for **Portal Applications and Tomcat Web server** for hosting web apps. Used SVN version control system to manage different builds for the system.
* Created new jobs in **Hudson** to build and test the code periodically without our intervention.
* Used **Shell Scripting to automate the process** of finding the differences between databases. Which reduced the work by (60%) i.e. 6 hours.
* Used **Tomcat** as application server for the **deployments**.

**Environment: ANT, Hudson, Shell, Tomcat, Java, J2EE**

**EDUCATION:**

* B. Tech. in Computer Science from Jawaharlal Nehru Technological University, Ananthapuramu, India.