**Pradeep Paudyal**

**PROFESSIONAL SUMMARY:**

* Over 8+ years of extensive experience in Build/Release and DevOps Admin and Process Methodologies.
* Detailed knowledge of the Software Development Life Cycle (SDLC).
* Perform maintenance and troubleshooting of continuous build/deployment systems
* Excellent understanding of SDLC Methodologies like Agile, Waterfall, RUP Process.
* Expertise in Continuous Integration tools with Jenkins, AnthillPro, BuildForge and TFS.
* Deployed code on Web sphere Application Servers for Production, QA, and Development environments using WSADMIN scripts and integrated them with Shell/Perl scripts to enhance the functionality of the deployment process.
* Create a playbook to be leveraged across the entire organization to move teams to adopt Agile and CI/CD.
* Expertise in Object Oriented Programming using core Java, Groovy and J2EE.
* Utilized Ansible, Puppet, Git and Rundeck to install and configure Linux environments with successful production
* Configured Bamboo- Artifactory plugin to upload the artifacts on to Artifactory after the build is success.
* Administration support of the following Windows Operating Systems 2003, 2008, and 2012.
* Complete required Change Board/Management activities, from opening the change tickets, thru approval
* Familiarity with relational databases such as MY SQL, SQL Server, DB2 and Oracle.
* Good Command in Shell/Perl/Python/Bash/Power Shell scripting.
* Proficient in Unix/Linux/Windows OS administration.
* Experience in using Subversion (SVN), GIT, Perforce, ClearCase, ClearQuest and CVS Version Controls.
* Thorough understanding and hands on Experience of Virtual machines and cloud computing services (AWS), networking TCP/IP, DNS, FTP, SSH, SCP and web coverage services (WCS).
* Experience with My SQL, Linux/Unix, Windows NT, and Java/J2EE, WAS, MS-IIS, Flash, Install Shields/Creating Linux RPMs.
* Wrote deployment Automation scripts for multiple .NET and JAVA/J2EE Applications.
* Used Ant/Maven for building scripts for Java Applications.
* Managed and configured VMware virtual machine for RHEL, Oracle /Sun Solaris, Oracle Linux server.
* Extensive knowledge and administration experience in JIRA and knowledge on other Atlassian products like Docker, Bamboo.
* Possessing strong knowledge in Ant and Maven build tools and implementing it with Jenkins, Anthill Pro and Build Forge.
* Efficient experience in using Nexus and Artifactory Repository managers for Maven builds.
* Worked on Apache, Web Sphere and JBoss web application servers.
* Worked on Automation of Build Process for WebLogic and JBOSS to show significant cost saving and better utilization of team time and resources
* Facilitate the estimation, impact, and approval for all emergency change requests
* Performed the automation using Chef Configuration management and managing the infrastructure environment with Puppet.
* Developed and tested many features in an AGILE environment using Ruby on Rails, HTML5, CSS, JavaScript, and Bootstrap.
* Familiar with large scale custom network monitoring solutions utilizing open source software. (Nagios, Zabbix).
* Initiated and drove the transition from manual configuration to Ansible managed configuration for automated, repeatable server deployments.

**TECHNICAL SUMMARY:**

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| **Operating Systems** | Solaris, Linux, HP-UX, Windows Server 2003/2008/2010 R2. |
| **Scripting** | Shell, Perl, Python / Jython, Bash, Power Shell, Ruby, Groovy. |
| **Build Scripting** | Make, Apache Ant, Nant, Maven, MS Build, and Puppet. |
| **Continuous Integration Tool** | Anthill Pro 3.8, Jenkins/Hudson, Bamboo, Cruise Control, Team Foundation Server, Team City |
| **Deployment Tools** | Nexus, IIS, IHS, Web sphere, Web logic, Tomcat, JBoss |
| **Source Control** | Rational Clear Case, VSS, TFS, Perforce, SVN, GIT, Clear Quest |
| **Database** | Oracle 8i/9i/10g, QL Server |
| **Languages** | C, C++, Java J2EE, C#, .NET |
| **Application Monitoring Tools** | J2EE, JSP, RMI, EJB1.1, JDBC, JavaScript, VB Script, Nagios, Mercury, IBM RTC (Rational Team Concert), PHP. |
| **Bug Tracking Tools** | Bugzilla, Clear Quest, Footprints, Quality Center, Junit, Load runner. |
| **Configuration Management** | Chef, Puppet |
| **Others** | JIRA, Confluence, Bamboo, JAZZ, IIS, And Gerrit. |
| **Middleware Administration** | JBoss, Web sphere, Web logic, Apache, Tomcat, Tomcat-Server, Web sphere-WMB, Jetty. |

**PROFESSIONAL EXPERIENCE:**

**Morgan Stanley, Broadway New York   
Mar 2013 to Present DevOps Admin/Build Engineer**

* Developed and facilitate release/deployment management processes across environments in support of releases.
* Automated the migration of Subversion (**SVN**) repositories to Git while preserving the commit history and other metadata like branches, tags and authors.
* Provided on­going support and administration for Subversion (**SVN**), **ANT** build automation.
* Manage DevOps **CI/CD** and release process for Solutions based on Services Exchange Platforms
* Develop and define a **CI/CD** model to implement across multiple front and backend teams and applications.
* Creating and managing Development and **ContinuousIntegration** Environments using VMWare ESX, automated through Jenkins using PXE boot, Perl and the VMWare CLI
* Migrated source control tool from **ClearCase** to (Subversion (**SVN**)) and build tool from **Ant** to **Maven**(MVN)
* Utilized **Chef** to provision servers for quick deployment of application, web, and database servers.
* Guide and assist the client in defining its **SDLC** and QA processes by producing an MS Visio diagram depicting the respective processes.
* Analyze and identify gaps in **SDLC** workflow processes from requirements to application delivery in an Agile Scrum process
* Recommend and implement best practices and standards in line with current **SDLC** standards and process
* Administrated and Implemented **TFS**, Maintained and Migrated **TFS**&**TFS** 2012\2013 support.
* Using TFS 2013 API to dynamically change **TFS** Build definitions for release preparation.
* Build automation to use with the continuous integration scenario for triggering a coordination with TFS Release Management.
* Initiated and drove the transition from manual configuration to **Ansible** managed configuration for automated, repeatable server deployments.
* Involved **Python**, **MySQL**, and legacy Java. Built a new continuous deployment system with **Jenkins**, **Ansible**.
* Created and fostered adoption for new dev environments utilizing **Vagrant**, **Ansible**
* Experienced in configuration management using Visual Studio Team System (**VSTS**), Team Foundation Server (**TFS**), VSS and Subversion
* Designed and created custom workflows using SharePoint Designer and Visual Studio**.NET** to process the vacation request applying the business requirements.
* Created a Feature Receiver using **Visualstudio.NET** to assign data from existing lists to lookup columns when feature with large chunks of site columns was activated.
* Experienced in configuring and managing web servers and **SQL** servers on clustered environments
* Worked with the team to design and develop queries in **SQL** Server Management Studio 2012 to verify variety of data sources for claims, policies and customer records
* Worked on**IIS** Servers Administration like troubleshooting & deployment of **IIS** application, website troubleshooting etc.
* Maintained multiple Internal/External websites on **IIS** 6.0/7.0/7.5 on multiple server environments using various techniques (Multiple IPs, Ports, and Host headers).
* Windows **PowerShell** development of automation and reporting processes.
* Automate processes with **PowerShell** scripts. DNS changes, DC builds, User management.
* Write **PowerShell** scripts to streamline routine procedures for the Network Operations Centre, **SCCM** team, and VMware team.
* Implemented **ANT** and **Maven** build scripts for the **JAVA** applications and **NANT** and MS Build for .**Net** actively worked with application teams to understand current Build and Deploy process.
* Expertise in Automated deployment using Jacl, **Jython** Scripting. Used **ANT**, **MAVEN**, **MSBUILD** scripts for build process.
* Involved in editing the existing **ANT** files in case of errors or changes in the project requirements.
* Ported old builds from **Ant** to **Maven** for **Java** builds and documented the process for future reference.
* Maintained and Administrated continuous integration instances based on **Maven** and **Hudson**.
* Strong experience in writing scripts using **MSBuild**, **PowerShell** scripts or any other automation scripts
* Used bean shell scripting in **AnthillPro** and **shell** scripts and JACL scripts with the wsadmin interface to deploy applications into **Websphere**
* Developed and maintained build script using Apache **ANT** and Maven for **J2EE** and MSBuild, WebLogic and **NANT** for .NET to perform builds efficiently.
* Utilized **Nexus** for dependency management for **Maven** as well as storing the Snapshot and Release Build binaries –WARs and EARs.
* Implement and manage continuous delivery systems and methodologies on **AWS**
* Implement systems that are highly available, scalable, and self-healing on the **AWS** platform
* Provided **AWS** operations and deployment guidance and best practices throughout the lifecycle of a project. Implemented horizontal auto-scaling in Open Stack cloud, integrating it with **Chef**.
* Implemented automated local user provisioning in instances created in Open Stack cloud through **Chef** Recipes.
* Utilized **Chef** to provision servers for quick deployment of application, web, and database servers.
* Wrote shell scripts to handle server processing Migrating applications from .Net to **Python** Monitoring applications/servers performance with **Splunk**, **Jenkins**, etc.
* Performed unit tests and debugging **Python** applications reviewing and enhancing existing code, fix bugs and create system documentation.
* Configured **Jenkins** for doing the builds in all the non-production and production environments.
* Planned and executed the migration from Bugzilla based bug tracking and **Jenkins** CI tool into the Atlassian based suite **JIRA**.
* Configured **Git** with **Jenkins** and schedule jobs using Poll **SCM** option.
* Migrated InstallShield sources from older versions of **InstallShield** to InstallShield Professional 11.5.
* Created Sybase Backup and Maintenance tool written with **InstallShield** Professional 12.0 from scratch.
* Developed support monitoring tool using **Ruby** and curl with extensive web reporting.
* Experience with **Ruby** on **Rails** creating connections, designing and enabling communications between both frameworks.
* Used **groovy** for various Layers, UI, Service and Unit Testing.
* Used Oracle JDeveloper to support **JAVA**, JSP and **HTML** codes used in modules.
* Implemented 11g and upgraded the existing database from **Oracle** 9i to **Oracle** 11g.
* Wrote conversion scripts using **SQL**, **PL**/**SQL**, stored procedures, functions and packages to migrate data from SQL server database to **Oracle** database.
* TDD for chef recipes/cookbooks with test-kitchen, **chef** spec, server spec.
* Administrated all aspects in **Git** and troubleshot with merge conflicts.
* Install, configure and support **WebLogic** Application Servers 8.1 and 9.x, 10.x, 11g on UNIX/AIX 9/10 in multi domain environment for multiple applications.
* Install and configure assortment planning WL portal environment using **WebLogic** Portal 10.

**Technologies:** Subversion (SVN),GIT, TFS, Microsoft MS Build, Apache ANT, Maven, Web Sphere Application Server, Perl Script, ,Hudson/Jenkins, Build forge, Linux, UNIX, Windows XP, Java (GUI), .NET, NANT, AWS, CHEF, Ruby,SDLC, InstallShield, Jenkins, Jira, Splunk, IIS, Ant, MSBuild, CI/CD, TFS, SQL.

**Macy’s, Georgia Sep 2011 to Feb 2013**

**Devops/Configuration/ Admin Consultant**

* Configurations, setup and building of interfaces and modifying the flow to give the opportunity for re-use scalability and functionality.
* Implemented and maintained the branching and merging structure for build/release strategies utilizing Subversion (**SVN**) and **GIT** in **Linux** and Windows.
* Migration expertise in migrating applications / source from both Base **ClearCase** and non-**ClearCase** environments (**CVS**, **Subversion** (**SVN**) etc.) into **ClearCase** UCM.
* Maintenance of continuous integration based on **Maven** and **Hudson**.
* Used **Maven** as a build tool for building and distributing a particular Artifact.
* Managed **Maven** pom files and other scripts and repository management tools (**Artifactory**, **Nexus**).
* Create **ClearCase** scripts to automate finding branches, creating branches, checking in and checking out changes, creating and updating views, applying, moving & releasing labels.
* Managed Base/UCM Multisite **ClearCase** on **Linux** servers and Windows clients, and build system and **BuildForge** servers on **Window** 2003.
* Worked on **Jenkins** and AnthillPro by creating and scheduling jobs and Builds and deployments using the same.
* Exposure in Continuous Integration practices (**CI/CD**) and build jobs based on Git source control system commit.
* Create BAT/System/Regression test cases and set up Jenkins jobs in **CI/CD** pipeline.
* Configured **TFS** to run continuous integration of builds and execute unit test on all check-ins for ASP .**NET** Web Applications.
* Coded **Oracle** and **SQL** data base descriptions and specified identifiers of Oracle data base to data base management system or directs others in coding data base descriptions.
* Calculated optimum values for **Oracle** and **SQL** data base parameters, such as amount of computer memory to be used by data base, following manuals and using calculator.
* Maintained the **Perforce** source control system, including system administration, branch management, backup procedures, and user support.
* Providing on-going support and administration for Subversion (**SVN**), **ClearCase**, **ClearQuest** and **ANT** build automation.
* Setup Build and deploy automation tool and Continuous Integration in **Jenkins**.
* Automated **Maven**, **Ant** (**Java**, **Flexcode**) with **VisualBuildPro** and fully integrating it in **CruiseControl**.
* Creating triggers for efficient access control of the **ClearCase** operations, to invoke operations before or after the execution of vital **ClearCase** events, to restrict or provide access to users.
* Consolidated all Team Projects into from **TFS** 2008 to **TFS** 2010 Project Collections.
* Setup various Team Projects into different Team Project Collections in TFS 2010
* Customized **TFS** 2010 Work Item Templates and Workflow(Transitions Matrix) of the Work Items
* Installed and Managed **TFS** branching & merging and extensively performed artifacts configuring, migrating and applying patches of TFS 2008 & 2010.
* Created and maintained build automation shell, manage building fixes, merges, and release cuts as needed, written scripts for environment changes in **Bash**, **Perl**, and **Python** for **Websphere** mapping modules to the enterprise application.
* Administrated all aspects in **Git** and Troubleshot merge conflicts.
* Document and publish complete migration process of **Subversion** (SVN admin dumps) to UCM **ClearCase** (VOBS).
* Experience in administrating operating systems like windows and **Linux**.
* Managed and upgraded **Linux** and Solaris servers.
* Install, test, and document **UNIX**, **Linux**, or Windows Server patches.
* Design, develop, test, and document programs and scripts that automate routine tasks for **UNIX**, **Linux**, or Windows Server systems.
* Experience with **CentOS** or Other **RedHat**-based **Linux** Variant.
* Managed software baselines and configurations, including labeling, branching/merging and promoting versioned files.
* Mentored engineering team on the use of **JBoss** and web-related technologies
* Implemented a data migration tool for moving both live and historical data using JBoss/Oracle-based platform.

**Technologies:** Subversion (SVN), Clear Case, GIT, Clear Quest, Apache ANT, Maven, Perl Script, Shell scripting, Visual Build Pro, Build Forge, Oracle 10i, JBoss, Web sphere, Center, Cruise Control, Hudson.

**Alcatel-Lucent, New Providence, NJ Oct 2009 to Aug 2011**

**Build and Release Engineer**

* Installed and configured **RedHatLinux**, Established and schedule activities in test and production environments.
* Deliverables, Schedules and milestones implementing build automation script using ANT and Maven for Java Builds, setting up **GIT** and **Perforce**, **TestManager** to manage build artifacts and **SCM** activities.
* Worked as an **SCM** in automating the build and deploy process through **AnthillPro** and Jenkins on deploying applications in **WebSphere**.
* Created Perforce repositories and specified branching strategies that best fitted the needs for the client. Created hooks and managed permissions on the branches for **GIT**.
* Created tags and branches, fixed merge issues, and administered software repositories for Subversion (**SVN**)
* Experienced with use of version control systems– **CVS**, **SVN**, **GitHub**, merging, systemizing development cycles, **CI/CD** Experienced with use of testing frameworks – **Junit**, **testNG**, **Selenium**, **Cucumber**, custom integration tests, integrating them into a **CI/CD** system
* Experienced in application implementation – manual, coordinated and **CI/CD** based, troubleshooting infrastructure based issues, analyzing logs and crisis resolution
* Experienced in installing, managing **Perforce** Branching and Merging, artifacts configuring, migrating and applying patches.
* Deployment, implementation and use of Mantis as project management software with Subversion (**SVN**) integration.
* Introduced **Cmake** for use in generating solutions for C/C++ projects in eclipse and visual studio
* Ported all **C++** projects to **Cmake** to allow easier cross platform development.
* Monitored and maintained the build systems (**Scons**, **Python** and **bash**) for the simulation and embedded environments
* Involved in writing and organizing **Shell** and **Perl** scripting for building complex software.
* Troubleshooting build and deployment issues and fixing them.
* Experience with defining and creating usable and customer friendly, intuitive interfaces to the **JIRA** tool in a fast paced evolving environment.
* Responsible to interface with Engineers and Operations to establish and maintain the software development structure using **CM** tools on **UNIX** and Windows
* Designed, wrote and built deployment using Ant/ Shell scripting and automate overall process using Subversion (**SVN**) and Anthill pro
* Configured **JIRA** workflows according to the needs to the CM team and integrated the project management features of **JIRA** with the build and release process.
* Used the continuous integration tool **Jenkins** to automate the daily processes.
* Automated the migration of Subversion (SVN) repositories to **Git** while preserving the commit history and other metadata like branches, tags and authors.

**Technologies:** Subversion (SVN), GIT, perforce, Apache ANT, Maven, Jenkins, Anthill Pro, XML, Perl Script, Shell scripting, Oracle, JBoss, JIRA.

**Duke Energy, North Carolina Mar 2008 to Sep 2009**

**Build Engineer**

* Provided **CM** and Build support for more than 5 different applications, built and deployed to the production and lower environment.
* Defined and Implemented **CM** and Release Management Processes, Policies and Procedures.
* Implement, maintain and support reliable, timely and reproducible builds for project teams.
* Maintained build related scripts developed in **ANT**, **Python** and **shell**. Modified build configuration files including **Ant’s** build.xml.
* Worked with development team to migrate Ant scripts to **Maven**.
* Experienced in authoring pom.xml files, performing releases with the **Maven** release plugin, Mavenization of **Java** projects and managing **Maven** repositories.
* Researched and implemented code coverage and unit test plug-ins with **Maven**/**Jenkins**.
* Worked on Integrated **JIRA** with subversion and Jenkins to automate the weekly build process.
* Used **Maven** dependency management system to deploy snapshot and release artifacts to **Nexus** to share artifacts across projects.
* Configured and maintained Jenkins to implement the **CI** process and integrated the tool with **Ant** and **Maven** to schedule the builds.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Worked on the **Oracle** databases in the backend to execute the **DMLs** and **DDLs**.
* Own full lifecycle of build system - from analysis, development, implementation and support of builds, unit testing and deployments.

**Environment:** Ant, Java/J2EE, Maven, Jenkins, Linux, Solaris, Python, WebSphere, Shell scripting, Nexus.