**Sandeep Kumar**

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**Background Summary:**

* 7+ years of IT Industry experience with Configuration Management, DevOps Engineer and Build & Release Management.
* Experience in Administration/Maintenance of source control management systems, such as Sub Version **(SVN), Perforce, GIT** and knowledge of Clear Case
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, scrum, and Waterfall** methodologies.
* Created SCM Process, policies, procedures and Release Notes to follow Development and allow **QA** teams to Release or Deploy highest quality product for the enterprise
* Experience in managing automated multiple continues integrated depot and branch builds **on Bamboo, Hudson/Jenkins, TeamCity, AnthillPro, Chefand Cruisecontrol.net** on a network server.
* Experience in using Build Automation tools like **Maven, Ant, Nant,Msbuild.**
* Exposure to administration of servers such as **IIS, Tomcat, Weblogic, JBoss & WebSphere** and **Weblogic**.
* Good at scripting languages like Python, Ruby, Perl, Bash and configuration management tools Chef, Puppet, and CF Engine and Web Service like **AWS**.
* Hands-on experience creating and managing the various development and build platforms and deployment strategies.
* Extensive experience in using Continuous Integration tools like **Cruise Control, Bamboo** and**Hudson**.
* In-depth knowledge of computer applications and scripting like **Shell,Batch and PowerShell.**
* Ability in managing all aspects of the software configuration management process including code compilation, packaging, deployment, release methodology and application configurations.
* Utilized **Atlassian suite of tools** for software development such **as JIRA, Confluence.**
* Good understanding of the principles and best practices of Software Configuration Management (SCM) and Closely worked with development, QA and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building. Proficiency working in **AWS** and both a Windows and Linux environment.
* Extensive experience in all phases of Software Development Life Cycle with emphasis in Designing, Developing, Implementation, Deployment and Support of distributed enterprise scalable, secure and transactional J2EE applications.
* Worked with different Bug tracking tools like **JIRA, Fisheye**and **Crucible**.
* Team player with excellent interpersonal skills, self-motivated, dedicated and understanding the demands of 24/7 system maintenance and has good customer support experience

**Technical Skills:**

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| **SCM Tools** | Subversion 1.5 & 1.6.,Perforce, Git |
| **Build Tools** | Make, ANT, Anthill, Bamboo, Maven , Hudson, Jenkins, NANT, MS Build, Cruise Control.Net |
| **Programming Languages** | Java/J2EE, VB.NET, C#.NET |
| **Scripting Languages** | Unix Shell scripting, Perl scripting,Powershell,Batch |
| **Operating Systems** | Windows 98/XP/NT/2000/2003/2008, UNIX, LINUX, |
| **Database** | Oracle 9i, SQL Server, MySQL |
| **Web/Application Servers** | Web logic, JBoss, Websphere, Apache Tomcat, IIS |
| **Bug Tracking Tools** | JIRA, Fisheye, Crucible |
| **Atlassian** | JIRA, Confluence, Stash |

**PROFESSIONAL EXPERIENCE:**

**True Value, Chicago, IL June’13 –Till Date**

**Sr. DevOps Engineer**

**Responsibilities**:

* Provided configuration management expertise to all software development projects.Migrated various artifacts from TFS to **GIT**.
* Involved in the Branching Strategy, thereby creating different branches in the existing workflow process.
* Worked with **ApacheTomcat** for deploying and starting application.
* Good understanding of build and deployment of java/j2ee applications in Tomcat servers.
* Installed and administrate Atlassian **Jira** and **Confluence** in Integration environment and QA environment.
* Automated deployment of builds to different environments using Jenkins. .
* Installation of certificates on Tomcat servers.Strong in building scalable web applications on **AWS**.
* Documented release, builds and source control procedures and plans.
* Manual Installation and configuration of Tomcat and Apache servers.
* Involved in **Jira** as defect tracking system and configure various workflows, customizations and plug-ins for Jira bug/issue tracker.Integration of Jenkins with **Jira, Github**.
* Installed and configured **Confluence** as the enterprise Wiki to document development and change management procedures.
* Good experience provisioning, operating, and managing **AWS** environments. Integrated Maven with Subversion to manage and deploy project related tags. Created analytical matrices reports, dash boards for release services based on JIRA tickets.
* Developed and maintained Perl/Shell scripts for build and release tasks.
* Experience in testing/development/automation in a Dev Ops role on an agile/iterative project team for the API Gateway. Finally reach continuous delivery and Build clouds with Openstack and **AWS**. Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
* Hands on experience in installing and administrating CI tools like Jenkins, GIT, Perforce and Artifactory.
* Good experience provisioning, operating, and managing **AWS** environments.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Git.
* Attended sprint planning sessions and daily sprint stand-up meetings.
* Managed and document all post deployment issues utilizing the Post Deployments Issue Log.
* Created repositories according the structure required with branches, tags and trunks.
* Created Required Packages for the deployment and assisted in troubleshooting during deployment

**Environment**: Shell Scripting, Perforce, Jira, Bamboo, GIT, Confluence, **AWS,** Visual Build, .Net, ANT, TFS, Tomcat Apache Jenkins, J2EE and Artifactory.

**American Express, SLC, UT Feb’12- June’13**

**DevOps Engineer**

**Responsibilities:**

* Interacted with client teams to understand client deployment requests.
* Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
* Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
* 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.
* Leveraged **AWS** cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts. Developed unit and functional tests in Python and Ruby.
* Created **JIRA issues** to prioritize and take action on what's important, and stayed up to date with what's going on around the project.
* Implemented continuous integration using **Jenkins**
* Created repositories according the structure required with branches, tags and trunks.Knowledge of **Dev Ops** principles and practice.
* Good experience in **AWS** (Amazon Web Services) including deploying new server instances through automation with CHEF and Jenkins.
* Configured application servers **(JBOSS)** to deploy the code.
* Used sub modules in the GIT and educated users working with sub modules in GIT.Configured **plugins for the integration tools** to the version control tools.
* Worked with the developers to configure plugins trough Eclipse to develop the code.
* For check in process used Tortoise SVN as a migration tool.Involved in migration of Bamboo server, Art factory, Perforce & Git server.
* Responsible for writing Hooks and Triggers using **Perl**. Built Java application using **ANT**.
* Extensively used **ANT** tool to do the builds, integrated ANT to Eclipse and did local builds.
* Integrated **Maven** with Jenkins for the builds as the Continuous Integration process.
* By Using Chef and **AWS** allowed me to reduce costs for the department and eliminate unwarranted resources.
* Build Java code on to different **Jenkins** servers as per the schedule.
* When required applied patches as per the release process.
* Maintained JIRA for tracking and updating project defects and tasks.
* Managed and document all post deployment issues utilizing the Post Deployments Issue Log.
* Kept information organized and accessible with a flexible page hierarchy using **Atlassian Confluence** pages
* 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.

**Environment**: Perl Scripting, Shell Scripting, Subversion, **AWS**, Perforce, Hudson, Jira, Bamboo, GIT, Tomcat, Confluence,Maven,Visual Build, ANT, Jenkins, J2EE.

**Weightwatchers, New York City, NY Jan’10-Feb’12**

**Build & Release Engineer**

**Responsibilities:**

* Management of Customer Requirements and documentation of the Project Plan as per the requirements.
* Experienced in working with CVS environment and configuring the version tool for the project development.
* Responsible for creating repositories and adding users to the branches in svn and git.
* Responsible for creating branches, tags and performing merges.
* Created Merge Workflow and tag Workflow for svn and git.
* Created and enforced Configuration Management policies and procedures, project configuration management, adhere to the Company policy, was successful in implementing it.
* Customized **TFS** 2010 Work Item Templates and Workflow of the Work Items
* Involved in the product release activities, including Change Control Management, Release Management, Defect tracking using ClearQuest tool and Version Management using CVS tool.
* Created branching & tagging strategy to maintain the source code in the **GIT** repository.
* Developed and build and deployment standards with input from development, IT/operations, and IT security
* Installed Jira and confluence on Tomcat server.
* Evaluated build automation tools (OpenMake and A**ntHillPro**), recommended **AntHillPro**
* Configured Bamboo Server and Remote Agent on Windows Server as a CI Server.
* Completing software builds and elevations, creating directories and security groups, and recreating prior versions. Monitored software, hardware, and/or middleware updates and utilizing technologies like Jenkins/Hudson, Ant, MS Build, and Subversion
* Initiating other CM users for developing the product, regular communication with the team members and documenting their duties.
* Utilized Atlassian Confluence to communicate with other co-workers to share the work.Researched and implemented code coverage and unit test plug-ins with **Maven/Jenkins**.
* Configured and maintained **Jenkins** to implement the CI process and integrated the tool with **Ant** and **Maven** to schedule the builds.
* Script writing by using Shell (Korn & Bourne) and knowledge skills in **ANT** and Perl.
* Installation and configuration of CM related software in UNIX and Windows environments, using UNIX commands and Windows Navigation.
* Team activities other than work related, in the process of Initiation and encouragement were done.

**Environment**: SVN.Git,Bamboo,Jenkins**/**Hudson, Maven, GIT, Jira, J2EE, Shell, Perl, AWS, ANT, , Anthill-Pro, UNIX, Windows NT/2000.

**FedEx, Memphis, TN Nov’08- Dec’09**

**Build & Release Engineer**

**Responsibilities:**

* Worked with the Architects on SDLC process being the owner of post development environments.
* Coordinating the resources by working closely with Project Manager’s for the release and Project Manager for all the Operational Projects.
* Carried Deployments and builds on various environments using continuous integration tool.
* Source code configuration tools **Subversion** and **GIT** used for different projects.
* Developed and implemented the software release management for the release of web applications.
* Wrote **ANT** and **MAVEN** Scripts to automate the build process**. Configured Bamboo for doing the build in all the non-production and production environments.**
* Used Shell to automate the deployment process.
* Configured Cruise Control.Net as CI Server for building .Net applications.
* Performed Load/Functional testing using Mercury Load runner and HP QTP.
* Designed a customized Status Reporting tool used currently, based on the specific requirements using J2EE/Struts and **Websphere Application Server** with DB2 as Database.
* Coordinated all the IT projects successfully by resolving release interdependencies

**Environment**: Subversion, GIT, Bamboo, Java/J2EE.Net, JDK, ANT, MAVEN, DB2, AWS, UNIX, Windows XP, Cruise Control.net

**Client: KLA Tencor, India Jan’07- Oct’08**

**Role: Build & Release Engineer**

**Responsibilities:**

* Interacted with client teams to understand client deployment requests.
* Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
* Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
* 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.
* **Managing the code migration from CVS** and Star team to **Subversion** repository
* Implemented continuous integration using **Jenkins.** Created repositories according the structure required with branches, tags and trunks
* Attended sprint planning sessions and daily sprint stand-up meetings.
* Configured application servers **(JBOSS)** to deploy the code. Configured **plugins for the integration tools** to the version control tools.
* Worked with the developers to configure plugins trough Eclipse to develop the code.
* For check in process used Tortoise SVN as a migration tool.
* Utilize Jira for issue reporting, status, and activity planning.
* Extensively used **ANT** tool to do the builds, integrated ANT to Eclipse and did local builds.
* **Integrated Maven with Jenkins** for the builds as the Continuous Integration process.
* Build Java code and .NET code on to different Jenkins servers as per the schedule.
* When required applied patches as per the release process.
* Managed and document all post deployment issues utilizing the Post Deployments Issue Log.
* Responsible for communicating next steps, deployment schedules, quality assurance, validation and defect tracking/ resolution.
* 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
* Ensured all steps are successfully completed and document their completion times and issue logs.

**Environment**: Subversion, Perforce, Ant, Jenkins/Hudson,ANT, AWS,JAVA/J2EE,JBOSS,CVS,MAVEN.

**Education:**

Bachelors in Computer Science Engineering from Jawaharlal Nehru Technological University, Hyderabad, INDIA.

(August, 2003- May, 2007)

GPA: 3.5/4.0