**Sachin Shetkar**

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## Build/Release/DevOps Engineer

**Summary:**

Building software and systems to manage infrastructure and applications through automation. Deployment, Support and Monitoring of new platforms and Application stacks, Measurement and Optimization of system performance.

Proficient in CI/CD methodologies and experience implementing and supporting an organization to achieve a Quality and consistent software delivery continuously and across different environments by Exploring and evaluate new technologies and solutions that push our delivery capabilities forward to anticipate customer needs, and incentivize individuals to transform and innovate progressively.

* With 8.5 years of IT Industry experience with Configuration Management, Build, Deploy, Release Management and DevOps Methodologies.
* Implemented CI using Jenkins and continuous deployment
* Manage different environments like **Vagrant**, Integration and UAT via Chef
* Create VM’s using AWS AMI and deploy application using Chef
* **Developed Cookbooks and recipes** for automating deployments via Chef
* Implemented **Continuous Delivery** setup to created packages from Jenkins and to be deployed to Applications servers through **Rundeck jobs** with chef as the backend configuration management tool .
* Work closely with QE team to automate testing and tie them as part of CI and provide feedback as soon as there is change in source code.
* Manage production deployments, work closely with OPS to make sure all the tasks required for the production deployments are captured and automate them using chef
* Used **nosetests** to run unit tests and provide feedback to developers as soon as there is a check-in to GIT.
* Worked with **coverage.py** for generating code coverage metrics to the management
* Explored many tools and done many POC’s for the SDLC tools
* Written backup scripts for the internal tools
* Migrated source code from **SVN🡪GIT, SVN🡪SVN,SVN🡪P4v**
* Train team and document GIT usage.
* Experience in managing automated multiple continues integrated depot and branch builds **on Bamboo, Hudson/Jenkins, TeamCity, AnthillPro** on a network server.
* Well-versed with various xml based Build Automation tools like **Maven, Ant, and Nant.**
* Ensuring smoke test execution as part of the continuous integration (CI) process   
  and Providing timely reporting to make go/no-go decisions
* 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 Bamboo, JIRA & Confluence.**

**Specialties:**

Build and deployment automation, CI, CD, Chef, puppet, Jenkins, Rundeck, Vagrant,

Build Tools : Ant, Maven, Gradle, NANT.

Scripting Languages : Shell, Ruby, Perl ,Bash, Python

Configuration Management : Perforce, Subversion, GIT, PVCS Version Manager

CI Tools : Jenkins , AntHillPro, Teamcity, Bamboo

Operating Systems : Windows, Unix,Linux, RHEL and Solaris.

Databases : Oracle, MySql, MSAccess

Change Management : Remedy, Service Now, and PVCS Tracker.

Web/Application Servers : Tomcat, HTTP Server, Weblogic, Jboss,

Bug Reporting Tools : SDM-12, Bug Zilla, JIRA and Rational Clear Quest.

DevOps : Chef, Puppet, Openstack & AWS working knowledge

**PROFESSIONAL EXPERIENCE:**

**Target, Minneapolis, MN NOV’ 14 – Till Date**

**Build and Release Engineer / DevOps**

* Managed and deployed all releases (java& .net) going out to the eCommerce website, both internal and AWS cloud data centers. Wrote build and deployment automation scripts (CHEF/shell/Ruby) which deployed to ~100 servers in our distributed system, interacting with multiple load balancers, allowing us to release with no downtime
* Configuration management all the QA/staging servers via continuous integration/deployment using Jenkins🡪Rundeck🡪Chef.
* Design and develop build and packaging tools for continuous integration build and reporting. Automate the build and release cycles.
* Coordinate all build and release activates, ensure release processes is well documented source control repositories including branching and tagging.
* Maintain product release process, including generating and delivering release packages, generate various metrics for tracking issues against releases and the means of tracking compatibility among products.
* Supporting Hot Patches

**Responsibilities**:

* Create Chef Recipes, automation tools and builds, and do an overall process improvement to any manual processes.
* Written multiple cookbooks in **Chef.**
* Rolled out Chef to all servers, and used the chef node database to drive host configuration, DNS zones, monitoring,
* Using web-frontend altered configuration data in chef's node database.
* Created chef (databag) driven configuration of user accounts.
* Managed pkg/apt build system and package repositories.
* Maintain 150 servers and 8 repositories for releases and check performance to reduce the time taken in each activity.
* Build, Configure, Manage and Coordinate all Build and Release Management activities.
* Responsible for all the build and release activities in consumer facing Applications, client software rollouts, release planning and support bi-weekly releases
* Automating the build and deployment process to **DEV/QA/PRE-PROD** and **PROD** environments
* Responsible for branching and merging of code base for various applications release
* Planning releases with Zero downtime and no impact for the partners
* Responsible for build and maintain of internal tools used for development and release
* Responsible for integrating test framework in to deployment pipeline
* Worked as release engineer for implementing and maintaining highly automated build and deployment process.
* Managed application deployment for complex projects including systems integration.
* Assist with supporting source code management tools and automation builds by **Maven.**
* Ensure proper management of the product release life cycle.
* Used **Ansible** to Automate cloud provisioning, Configuration management and Application deployement.
* Installation& Renewal of **certificates** on Application servers.
* Documented release, builds and source control procedures and plans.
* Manual Installation and configuration of **Tomcat** and **Apache** servers.
* Deploying J2ee application EAR on Test and Production environment using **Websphere**.
* Involved in **Jira** as defect tracking system and configure various workflows, customizations , plug-ins for Jira bug/issue tracker.
* Hands on experience in installing and administrating CI tools like **Jenkins, GIT , Perforce** and **Nexus**.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Git.
* Attended sprint planning sessions and daily sprint stand-up meetings.
* Managing nodes over SSH using **Ansible**.
* 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, Python, Perforce, Jira, Bamboo, GIT, (WAS), WebSphere, Web Logic, Ansible, Test Director, Mercury, Quality center, Confluence, Visual Build, C# .Net, Linux, Bash, ANT, TFS, Tomcat Apache Jenkins, J2EE , Web sphere.

**Cycle30, Seattle, WA May’13– Nov’ 14**

**Build and 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.
* 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 automation tool using **Anthillpro**of daily weekly quarterly admin activities, build, patch and package tasks using **AnthillPro**.
* Created repositories according the structure required with branches, tags and trunks.
* Knowledge of **Dev Ops** principles and practice.
* 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, Artifactory , Perforce & Git server.
* Responsible for writing Hooks and Triggers using **Perl**. Built Java application using **ANT**.
* Developed and maintained **Perl/Shell** scripts for build and release tasks.
* 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.
* Experience in testing/development/automation in a **Dev Ops** role on an agile/iterative project team for the API Gateway.
* 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**: Shell Scripting, Bash, Perl, Perforce, Jira, Bamboo, GIT, (WAS), WebSphere, Web Logic, Mco, Test Director, Mercury, Quality center, Confluence, Visual Build, C# .Net, Linux, Bash, ANT, TFS, Tomcat Apache Jenkins, J2EE , Web sphere.

**Weightwatchers, New York City, NY Jan’ 2012–May’13**

**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.
* Installation and customization of Rational tools like **ClearCase** and **ClearQuest**, support and maintenance of these tools
* 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 and deployed **AntHillPro** in Solaris 10 environment with multiple zones/containers, using Oracle database and multiple CVS servers and repositories. Configured services using SMF and XML
* 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.

**Environment**: Shell Scripting, Bash, Linux, Perforce, Jira, Bamboo, GIT, (WAS), WebSphere, Web Logic, Mco, Test Director, Mercury, Quality center, Confluence, Visual Build, C# .Net, Bash, ANT, TFS, Tomcat Apache Jenkins, J2EE , Web sphere.

**KLA Tencor, India Nov 2010- Dec 2011**

**Software Configuration Manager**

**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.
* Responsible for communicating next steps, deployment schedules, quality assurance, validation and defect tracking/ 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, Web Sphere Application Server (WAS), Web services, Web Logic, Quality center, Bash, Oracle 10g, ANT, J2EE , Web sphere

**Reliance Private India limited, India Mar 2007– Oct 2010**

**Java Build Engineer**

**Responsibilities:**

* 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.
* 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**. ConfiguredBamboofor doing the build in all the non-production and production environments.**
* Used Shell to automate the deployment process.
* 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

**Education:** Bachelor Of Engineering from Jawaharlal Nehru Technological University with Major in Computer Science Engineering.