**Jeevan Reddy**

**Sr. DevOps Engineer**

**Professional Summary:**

* 8+ years of experience in **Software Configuration, Build and release management, DevOps engineering,** **Amazon Web Services.**
* Exposed to all aspects of **software development life cycle (SDLC)** such as Analysis, Planning, Developing, Testing, Implementing, Support of distributed enterprise scalable, secure applications and Post-production analysis.
* Experience in Handling **Cloud environment like Amazon Web Services.**
* Worked under AWS management tools such as (**EC2, EBS, ASG, RDS, R53**…)
* Installed and configured Jenkins for Automating Deployments and providing a complete automation solution. Experience in Configuration management using Amazon Cloud Formation, **Continuous integration with Jenkins, nexus and Bamboo.**
* Initiated responsibility for administering the SVN and GIT servers which included install, upgrade, backup, adding users, creating repository/branches, merging, Writing hooks scripts, performance tuning, troubleshooting issues and maintenance. Extensively used build utilities like **Nexus, Apache Maven, Apache Ant to write pom.xml and build.xml respectively.**
* Experience in Querying RDBMS such as Oracle, MY SQL and DB2 by using SQL for data integrity.
* Worked with continuous deployment tools like **Udeploy**, **Puppet** and **Chef**.
* Worked extensively on automation engine **Ansible** that automates [cloud provisioning](https://www.ansible.com/provisioning), [configuration management](https://www.ansible.com/configuration-management), [application deployment](https://www.ansible.com/application-deployment), [intra-service orchestration](https://www.ansible.com/orchestration), and many other IT needs.
* Proficient with**Python, Bash & Shell Scripting** for build automations.
* Highly experienced in setting up **Build Servers** for build and deploy automation.
* Experience in automation and build tools like **Maven, Ant**.
* Good knowledge and hands on Experience in some monitoring tools like **Nagios, Cacti** etc.
* Used **StackDriver** and **AWS cloud monitoring** extensively **to monitor and debug** the **cloud** based **AWS EC2 services.**
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, scrum, and Waterfall methodologies.
* Experience with **implementing project change control** into software release management in multiple technical environments
* Experience automating deployments on Servers using **JBoss, Tomcat, Websphere.**
* Worked extensively with different Bug tracking tools like **JIRA, HP Quality center.**
* Installed and configured Jenkins for Automating Deployments and providing a complete automation solution.
* Managed and maintained operating systems on servers (Web servers, Database servers & Mail servers) and networking devices. Having experience of working in extensive Process-oriented environment.
* Experience in Performance tuning, garbage management and memory leaks, networking and information security, IO monitoring and analysis.
* Expert in Automation of **Release and Deploy** configuration management to different environments i.e. QA, UAT and production.
* 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.
* Skilled in liaising with Product teams to define branching as well as release strategies for each release, **participating in Change Advisory Board (CAB) meetings to identify timelines for release and track risks.**
* Implemented Release schedules, communicated the Release status, created Roll out Plans, tracked the Project Milestones, prepared the reports and chaired the Release calls and worked for a successful Release.

**Technical skills:**

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| Platforms | Ubuntu, Debian, Red Hat, Windows XP/ 7/ 8/10 |
| SCM tools | Git, SVN, ClearCase, CVS, Perforace |
| Cloud | AWS EC2, S3, RDB, ELB, EBS, VPC, Auto Scaling |
| CI tools | Jenkins/Hudson, Anthill Pro, Bamboo, U Deploy, X Deploy |
| Build tools | ANT, Maven, Gradle |
| Continuous deployment tools | Chef, puppet |
| Databases | MySQL PRO, MS SQL Server, SqlPlus, Oracle 8i, 10g, 11g,12c, MongoDB |
| Languages/ Scripting Languages | Batch Script, Ruby, Python, Shell Script, ANT Script, C, C++, Java, J2EE |
| Virtualization Technologies | Oracle VirtualBox, Vagrant, Docker |
| Continuous monitoring tools | StackDriver, Nagios, Splunk |
| Ticketing tools | JIRA, BugZilla, Cloudaware, HP Quality Center |
| Web/Application Servers | Weblogic, Web Sphere, Apache Tomcat, Jboss |
| Web technologies | Servlets, JDBC, JSP, XML, HTML, Java Script. |
| Security tools | Wireshark, Nmap, Nexus, Evident.io, Cavirin.io |
| Could services | Open stack , Microsoft Azure, AWS |

**Experience Profile:**

**Microsoft Corporation, Seattle, WA (Oct’2015 – Current)**

**Senior -DevOps Engineer**

**Microsoft Corporation** is an American [multinational](https://en.wikipedia.org/wiki/Multinational_corporation) [technology company](https://en.wikipedia.org/wiki/Technology_company) headquartered in [Redmond](https://en.wikipedia.org/wiki/Redmond,_Washington), [Washington](https://en.wikipedia.org/wiki/Washington_(state)), that develops, manufactures, licenses, supports and sells [computer software](https://en.wikipedia.org/wiki/Computer_software), [consumer electronics](https://en.wikipedia.org/wiki/Consumer_electronics) and [personal computers](https://en.wikipedia.org/wiki/Personal_computers) and services. This project creates an environment to provide an Enhanced Analytics area where the purchases at Microsoft store becomes sophisticated and secured.

**Roles and Responsibilities:**

* Responsible for Design and architecture of different Release Environments for new projects.
* Writing make, Maven and Ant build tools for application layer modules.
* Successfully automated deployment of Cassandra and MongoDB by writing chef recipes and preparing cookbooks.
* Implementing new projects builds framework using Jenkins & maven as build framework tools.
* Implementing a Continuous Delivery framework using Jenkins, Chef, Puppet, Maven & Nexus in Linux environment.
* Defining Release Process & Policy for projects early in SDLC.
* Assisted in administrating and configuring NoSQL Databases like Cassandra, MongoDB etc.
* Orchestrating different Cloud applications using AWS (VPC, ELB, Route53, S3 etc.)
* Deploying Micro services in Dev & QA environment using AWS ECS and Docker.
* Able to create scripts for system administration, AWS and Azure using languages such as BASH and Python.
* Hands on experience in writing Ansible scripts and used Ansible for configure tomcat servers and maintenance.
* Responsible for nightly and weekly builds for different modules.
* Generate active directory reports with PowerShell. Provide site progress reports to project leadership.
* Experience in development with Perl, Python, PowerShell or other scripting languages.
* Performed CI/CD using Jenkins.
* Performed system maintenance using Jenkins.
* Member of CCM representing changes for Release and environment configuration.
* Responsible for configuring management of different application layer modules.
* Responsible for Database build, release and configuration.
* Perform Deployment of Release to various QA & UAT in Linux environments.
* Work with different team members for automation of Release components.
* Supporting different projects build & Release SCM effort e.g. branching, tagging, merge etc.

**Environment:**

Subversion, CVS, Maven, ANT, Jenkins & Jira as tools for day to day build & release cycles. Responsible for Deployment and maintenance of different QA & UAT environments.

**Sysmex Corporation, Lincolnshire, IL (Jan’2014 – Sep’2015)**

**Devops/Configuration Engineer**

This company is a fast-growing in the healthcare equipment field is in search of a Systems Administrator to maintain, build, and scale out their physical and cloud presence nationwide.  The project boasts a great leadership team and a dynamic work culture that has set the tone for a stable, but innovative workplace that encourages both structure and creativity. As a DevOps engineer, I was responsible to build and run large-scale web production systems and application environment to ensure site reliability.

**Roles and Responsibilities:**

* Configuration Management and source code repository management using tools like GIT, Subversion (SVN), Perforce and PVCS.
* Expertise in various branching methodologies, merging and tagging to facilitate defect/change management in conjunction within projects across the organization.
* Ensured proper version control, revision labels and baseline management procedures as part of the release process.
* Experience in migrating source code repositories from between various version control systems like SVN to Git, SVN to P4v.
* Worked on several build tools like ANT, Maven, Gradle etc.
* Written build scripts from scratch for new projects and for new modules within existing projects.
* Mavenized several ANT projects.
* Expertise in Enterprise repository management tools like Nexus, Artifactory etc.
* Maintained local team repositories and Organization's central repositories for maven.
* Deployed Applications into PROD & Pre-Prod environments with various Application server technologies like Weblogic, Jboss & Apache Tomcat.
* Troubleshooting deployment, infrastructure and start up issues on various application servers’ product line.
* Automated webserver content deployments via shell scripts
* Develop and configure of Continuous Integration (CI) scripts for releases and Enhancing/Maintaining to suite the request from teams across the organization.
* Configure the setup of every release biweekly and monthly on the regular basis for product teams to perform integration testing.
* Maintained over 200 jobs in Jenkins from 10 different Application teams for over 4-5 releases in parallel.
* Worked on several Industry best CI tools like Jenkins, Hudson, AHP & bamboo.
* Experience migrating jobs from Cruise Control to Teamcity
* Helped teams move cronjobs/scheduler to Jenkins & configure jobs
* Managed daily and nightly Integration test builds for Dev Teams sizing up to 15 and ensured the build stabilization for nightly deploys.
* Generated and Published build and deploy reports in various CI tools
* Environment Management of Dev, SIT, QA, Staging etc. for every assigned Releases
* Performing Middleware, Infrastructure and Application Backfill activities for each Release.
* Source Code Branch maintenance, Forward & Reverse Integrate activities for code merges into Release & Project branches

**Environment:** Git, Subversion, Apache Tomcat, Bamboo, Jenkins, Maven, Confluence, Artifactory, Rally, Jira, Ruby, CentOS, Jenkins, Puppet, AWS, Chef, Ant, Automation, Cloud, AWS, Ruby on Rails, sonar, Python, Shell Scripts.

**Tiffany & Co, New Jersey (Nov 2012 – Dec 2013)**

**Cloud management/automation engineer**

Tiffany & Company (known colloquially as Tiffany or Tiffany's) is an American worldwide luxury [jewelry](https://en.wikipedia.org/wiki/Jewellery) and specialty retailer, headquartered in [New York City](https://en.wikipedia.org/wiki/New_York_City). In this project, I was involved in all levels of technology stack. This role encompasses continuous improvement to existing features and rollout of new services from development to production. The project activities included designing and developing new back-end services, maintaining and expanding AWS infrastructure, and providing mentorship to others on my team. My responsibilities involved designing and deploying a multitude applications utilizing almost the entire AWS stack focusing on high-availability, fault tolerance, and auto-scaling.

**Roles and Responsibilities**:

* Creating the automated build and deployment process for application, re-engineering setup for better user experience, and building a continuous integration system for all our products.
* Worked on distributed version control system GIT for data integrity.
* Support for distributed and non-linear workflows.
* AWS Cloud management and CHEF Automation.
* Created Cloud services on new generation instances of D-series on Microsoft Azure.
* Responsible for Design of different Release Environments for new projects.
* Team role included working in VMware Orchestrator, VMware vRealize Automation Center 6.0 (vRA) catalog management creating cloud server provisioning entitlements, creating and defining business groups, creating catalog items, creating services for the catalog items, creating Windows 2008/2012) and Linux (Red Hat6) blueprints.
* Installed, Deployed Red Hat Enterprise Linux, CentOS and installation of packages and patches for Red Hat Linux Servers.
* Worked on Docker open source project by automating the deployment of applications inside software containers.
* Responsible for Database build, release and configuration
* Responsible for nightly and weekly builds for different modules.
* Perform Deployment of Release to various QA & UAT in Linux environments.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Created multi AWSVPC instances.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.
* Optimized volumes and EC2 instances
* Worked on DMZ and non-DMZ (Local) zones of servers.
* Used IAM to create new accounts, roles and groups.
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
* Migrated applications to the AWS cloud.  Scripting in multiple languages on UNIX, LINUX and Windows - Bash, Shell script etc.
* Work with different team members for automation of Release components.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
* Troubleshoot the build issue during the Jenkins build process.
* Worked with JIRA for creating Projects, assigning permissions to users and groups for the projects & Created Mail handlers and notification Schemes for JIRA.

**Environment:** Maven, AWS, Putty, Confluence, EC2, S3, IAM and Load Balancers, Tools/Frame Work, Hadoop, Ant, Chef, Puppet, Subversion, Git, Docker, WinSCP.

**Global Infosystems, INDIA**

**Client: Dollar Thrifty Automotive Group, Tulsa OK (Jul 2010 – Oct 2012)**

**Build and release engineer**

Thrifty is one of the largest car rental companies in the world. Founded in 1958, Thrifty is a franchise system, with over 1,200 rental locations in most major countries throughout the world. My role in this project is to handle all the build release process including code, documentation and setting up environment for the deployments.

**Roles and responsibility**:

* Gathering Information from the Clients and providing consultation by performing POC and setup the Build/Deployment and Release Management
* Setting up the build and deployment automation for Java base project by using JENKINS and Maven
* Responsible for creating and deploying builds on various Web logic environments, testing in build environment and release to test team on scheduled time.
* Creating builds using ANT/Maven scripts manually and automated.
* Troubleshooting deployment and installation issues.
* Automated the Build Process using Jenkins.
* Handling complete Build and Release process including code, documentation and supporting testing team along with the server Administration
* Work with QA to facilitate verification of releases. Running multiple builds at a time.
* Managing Daily Builds, Weekly Builds, Nightly Builds and Builds on fortnight basis.
* Managed and Administered Web logic 8 and 10.3 Environments.
* Assist clients for application code migrations (for lower and higher environments) and Environment related issues.
* Ensure servers and environments are available for developments and testing validation is meeting the expectation. Responsible for managing and creating different environments for PI Line of Business.
* Make sure the configuration, version and systems are working fine.
* Assist Clients and team mates to understand issues and help/coordinate with multiple teams to resolve issues and make the environment stable.
* Project estimation in terms of cost, resources and schedule. If a new environment has to be created it would need to perform the analysis and requirement gathering from the respective Application team and then co-ordinate the different activities involved with the same.

**Environment:-** Software: C#.Net, VB.Net, Java/J2ee, Tools: Ant, Maven, Tomcat, WebLogic, WebSphere, SVN, Jenkins  Operating System: Linux , Database: Oracle , Web Server: Tomcat, WebLogic

**GSPANN technologies, Hyderabad, INDIA (June 2008 – May 2010)**

**QA/Release engineer**

**Roles and Responsibilities:**

* Primary responsibilities include Build and Deployment of the java applications onto different environments
* Installed subversion and trained all the Development team in subversion.
* Involved in Migration from CVS to SVN. Responsible for Managing Source Code, creating tags, Branches and Branch Merges using CVS, SVN.
* Responsible for the Code Freeze and Stage Freeze Activities. Installed Clear Case, Clear quest on Windows 2000 and XP clients.
* Created VOBs, Dynamic views, Snapshot Views for project teams.
* Helped all developers and other project teams to set views and environments. Created Builds and deployed builds to different environments based on requests.
* Maintained Dev/QA application environments to ensure all business rules, print logic and compliance issues are well-managed and documented prior to pushing to production
* Implemented UCM solutions for the Charles Schwab Trading System
* Used Ant as a Build tool.
* Used Unix Cron jobs and Crontab for Automation of Build and Deployment. Integrated clear quest defect tracking tool with the clear case
* Performed merges for each build from Development Branch to Integration Branch. Created CM process for installation and verification of Builds after deployment.
* Created the release management plan with the implementation schedule
* Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments.

**Environment:** NAnt, Ant, Perl, CVS, SVN, Clear Case, Clear Quest, CC/CQ Multisite, UCM, Continuum, Build Forge, WebSphere, Tomcat, Windows 2003, shell, Perl.