**Mani**

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**Around 8 Years** of strong IT experience which includes experience in **DevOps/Cloud** Process **Software Configuration Management (SCM), Build, Deploy and Release Management** and understanding of **Software Development Life Cycle (SDLC)**

**SUMMARY**

* Around 8 years of IT Industry experience with Configuration Management, Build, Deploy, Release Management and Quality Assurance.
* Excellent knowledge of **Amazon EC2**, **IAM**, **Amazon S3**, **Amazon Elastic Load Balancing** and other services of the **AWS** family
* Experience in Administration/Maintenance of source control management systems, such as Sub Version **(SVN), Perforce, TFS, GIT** and knowledge of Clear Case
* Experience of **Migration & deployment** of Applications with upgrade version of Applications.
* Expertise in **Bash Scripts, Pearl Scripts (hash and arrays), Python programming** for setting up Baselines, Branching, Merging and Automation Processes.
* Extensively worked on **Jenkins/Hudson** by **installing**, **configuring** and **maintaining** for the purpose of continuous integration (CI) and for End to End automation for all build and deployment
* Good exposure in administering version control systems to create daily backups and checkpoint files.
* Expertise in using build tools like **MAVEN** and **ANT** for the building of deployable artifacts such as war & ear from source code.
* Involved in the functional usage and deployment of applications in **WebLogic**, **WebSphere** and **Apache Tomcat Server**.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, scrum, and Waterfall** methodologies.
* Expertise in Querying **RDBMS** such as **Oracle and MY SQL** by using **SQL** for Data integrity.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM).
* Strong knowledge on **source controller** concepts like Branches, Merges and Tags.
* Ability in development and execution of **XML, Shell Scripts and Perl Scripts**.
* Hands on experience in installing and administrating CI tools like Hudson/Jenkins, Sonar, Subversion, Team foundation server, Accrue and Nexus, art factory.
* Performed integration of Code Quality Analysis Techniques like **Check styles**, **Find Bugs**, **Nunit**, **Open Cover** and PMD with CI tools like **Hudson/Jenkins**.
* Good experience in converting **build.xml into pom.xml** in order to build the applications using **MAVEN**.
* Strong command on source controller concepts such as **Branches, Merges and Tags**.
* Work under **SLA (Service Level Agreement)** &**Incident Management (Remedy)** with increases productivity, scalability & performance of application
* Efficient in **tracing complex** build problems, release issues and environment issues in a multi component environment.
* Expertise in **trouble shooting** the problems generated while building, deploying and also in production support.
* Excellent communicative, interpersonal, intuitive, analysis and **leadership** skills with ability to work efficiently in both independent and team work environments.
* Worked with different Bug tracking tools like **JIRA, Rally, Remedy, HP Quality Center, Fisheye, Crucible** and IBM Clear Quest.
* Exposed to all aspects of **software development life cycle (SDLC)** such as Analysis, Planning, Developing, Testing and Implementing and Post-production analysis of the projects.

**SKILL SET**

**Operating Systems** **:** **MSDOS, UNIX, Redhat, Ubuntu, Centos, Windows**

**Scripting Language : Bash shell scripting, Python, Perl, Java Script, HTML, SQL, Java**

**Application Serve : AWS (EC2, S3), Apache Tomcat Server, web Logic Application Server.**

**CI Tools : Jenkins, Bamboo, Electric Commander, Buildbot, Urban code**

**Build Tools : Ant, Maven, GNU Make, Auto tools**

**Databases : Oracle, MySQL**

**SCM Tools : Git, Perforce, SVN, Clearcase, CVS, Puppet**

**Virtualization Tools : VMware, Oracle Virtual Box,**

**Administration : UNIX, Linux basic administration, MySQL, Git, SVN**

**Code Review Tools : Gerrit, Swarm, Review Board**

**Other Tools : Jira, Red mine, QC**

**1)**

* Deploy and monitor scalable infrastructure on **Amazon web services** (AWS) & configuration management using **puppet**.
* Manage deployment automation using **Puppet,** Custom Puppet modules.
* Excellent configuration management using **Puppet, Docker**
* Experience in **AWS**, which included managing applications in the **cloud** and creating **instances**.
* Using Jenkins **AWS Code Deploy** plugin to deploy to **AWS**.
* Wrote **Python/Shell Scripts** to Monitor Variety of Services &**Perl Scripts** with Hash/Arrays to **Insert/Delete/Modify** content in multiple servers
* Administered and Engineered **Jenkins/Hudson** for managing Builds Test and Deploy chain as a **CI/CD**for next Gen Applications.
* Configured, Upgraded and deployed the applications in **Web Sphere 6, 6.1, 7** and **Jboss5/6** EAP servers.
* Built and Deployed **Java/J2EE** to a web application server in an Agile continuous integration environment and automated the whole process.
* Developed **ANT**/**MAVEN** scripts to build the projects and Migrated **ANT** to **MAVEN** Projects.
* Installed, Deployed **Red Hat Enterprise Linux 6.x** (**CFME**), CentOS and installation of packages and patches for Red Hat Linux Servers.
* Performed all day-to-day **Subversion/GIT** support for automation code and configuration
* Used **oracle 11g** as backend data base.
* Worked in CM team for **Code check-in** and **checkout** in ClearCase. Delivering the code to INT Stream, Baseline the code and request for further build in Functional Quality Testing environment.
* Managed multiple application processes on **LINUX** servers.
* Developed and designed scripts for continual updates.
* Responsible for Build and Install Schedules using **Unix Cron** jobs.
* Responsible for discussing and understanding the requirements received from the client and prepare **Design document** with approach details for the implementation of the Business Rule.
* Continuous Integration Configuration Management (**CICM**) Platform was implemented to support agile development and continuous delivery best practices on all **NextGen** and select Legacy development projects.

**2)**

**Responsibilities:**

* Maintained and administered **GIT** source code tool.
* Created Branches, Labels and performed Merges in Stash and **GIT**
* Developed processes, tools, automation for Jenkins based software for **build** system and delivering **SW Builds**.
* Managed build results in **Jenkins** and deployed using workflows.
* Delivered specific versions of various components of an application into target environments.
* Maintain and track inventory using Jenkins and set alerts when the servers are full and need attention.
* Modeled the structure for multi-tiered applications orchestrate the processes to deploy each tier.
* Developed build and deployment scripts using **ANT** and **MAVEN** as build tools in Jenkins to move from one environment to other environments.
* Have used **Confluence** to create, share and discuss content and projects.
* Familiar and experienced with Agile Scrum development.
* Proposed and implemented branching strategy suitable for agile development in Subversion.
* Created Branches, and performed Merges in Source Tree & Stash
* Installed and configured Jenkins for Automating Deployments and providing a automation solution.
* Integrated **GIT** into **Jenkins** to automate the code check-out process
* Used Jenkins for automating Builds and Automating Deployments
* Very strong Project Management experience performing **ITIL RM /SCM** activities.
* Knowledge of concepts in code lines, branching, merging, integration, versioning etc
* Excellent problem solving, analytical skills and technical troubleshooting skills.
* Clarity and precision in verbal and written communications.
* Worked with customers, developers, testing, product management and support staff.
* In-depth understanding of large complex software systems to isolate defects, reproduce defects, assess risk and understand varied customer deployments.

3)

**Responsibilities:**

* As member of Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting, on **UNIX** platform.
* Responsible for Development, **UIT, SYTEM, UAT,** STAGING**,** PRODUCTION Builds and Releases.
* Working closely with the Engineering teams to help automate the builds for the Mobile.
* Builds and deploys **J2EE** application in **WebLogic Server**.
* Assist with maintaining current build systems, developed build scripts, and maintained the source control system.
* Responsible for CI environments (**Jenkins**, **Nexus**, **Sonar**)
* Developed build and deployment scripts using **ANT and MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* Assisted in planning and development of single-click application stacks in AWS Cloud Formation and **AWS EC2**.
* Enforced automation in build and deployment procedures, executed code builds and deployment activities.
* Deployed built artifacts to **WebLogic** application server using maven.
* Responsible for design and maintenance of the **Subversion** (SVN) Repositories
* Managed the source codes repository of multiple development applications using **Tortoise SVN**.
* Created analytical matrices reports, dash boards for release services based on **Rational Clear Case** tickets.

4) Jan 2010-Feb 2011

Responsibilities:

* Responsible for developing & maintaining IT infrastructure & tools to support development.
* Identified requirements or pain points in delivering software code to production servers as deployable packages.
* Manage **version** **control tools SVN** and **Git** to version code changes to help developers/programmers branch/merge/revert code.
* Wrote build scripts & made recommendations to enhance customization in build scripts written in Ant & Maven.
* Used Java programming, related code files, config files & package mechanisms (JAR, WAR & EAR packages) & provided optimal mechanism to build application packages.
* Setup & configured **Hudson,JENKINS/Tomcat servers & setup continuous integration automation** by promoting certified packages through various stages in SDLC.
* Created utilities to monitor continuous integration process (job failure rate, disk usage), coded changes in SVN & job failures in Hudson.
* Setup code improvement utilities like **Fisheye, Crucible, Sonar** to help developers do peer code reviews & identified issues in code early in the cycle using code analysis.
* Setup defect tracking system in Jira & managed various requests to enhance workflows &  
  added/updated components, users, permissions, projects, etc.
* Setup package repository with Nexus & implemented Maven workflow to use &  
  publish JAR files & packages to this central repository
* Wrote scripts **in Perl, Python & Shell scripting** to customize build, promotion &  
  release process.
* Developed and documented a branching strategy to be used
* Setup code review tool **gerrit** with GIT and integrated with CI system to help developers do peer code reviews & identified issues in code early in the cycle using code analysis
* Configured , maintained and administered Linux systems that host build and release engineering apps by constantly monitoring system load and memory consumption.

**Prudent Info Systems, India Jul 2009 to Dec 2010**

**Build and Release 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
* 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 **WebLogic Server** with DB2 as Database.

* Coordinated all the IT projects successfully by resolving release interdependencies