**Murali Kolli**

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**Summary:**

Dynamic and resourceful **software engineer** with around **9 years experience** and demonstrated expertise in Build Deployment, Environment, & Release Management areas.

Focused in the areas of **Continuous Integration, Continuous Delivery and release management.**

As a Dedicated Operations engineer I strive towards optimizing Application CI & CD pipelines through process, tools & by understanding the melding of Operations and Development life cycles.

**Specialities:**

Optimizing software builds, driving product releases, and delivering quality process improvements

**PROFESSIONAL EXPERTISE**

* **Two years of experience with DevOps methodologies and cloud infrastructure automation tools like AWS (EC2, S3 , Cloud Formation, cloud watch etc.) , Chef , Jenkins , Docker &Rundeck .**
* Created a complete solution for CI/CD for legacy and new services
* Supported server/VM provisioning activities, middleware installation and deployment activities via chef.
* Written Chef cookbooks and recipes to Provision Several pre-prod environments consisting of Deployment automation , AWS EC2 instance mirroring,weblogic domain creations and several proprietary middleware installations
* Knowledge of Atlassian tool suite products like Bamboo, Jira, Confluence.
* Worked in an agile development team to deliver an end to end continuous integration/continuous delivery pipeline by integration **Jenkins + Rundeck+ Chef and AWS for VM provisioning**.
* Participated in the creation of our internal framework to manage services
* Managed all multi tenants customer facing services
* Automated provisioning and orchestration of resources
* Migrated a number of services previously “managed” by hand to CM tool chef
* Deployed a solution to manage logsusinglogstash.
* Troubleshot issues and incidents during all phases of SDLC including compilation to Production deliveries.
* Added documentations and processes to hand off services management to other teams
* Develop, enhance and maintain the build, deployment and configurations for continuous integration and automate regression and acceptance testing .
* Setting up one-click framework for build and deployment on non production environments.
* Automate the Build and deploy of all internal Java and .Net applications in lower environments using various continuous integration tools and scripting languages .
* Learning and Implementing Evolving new technologies
* to stream line and optimize release process in the organization
* SCM process automation and strategy implementation
* Infrastructure Management and Deployment automation
* Release Process Implementation like DevOps and Continuous Delivery methodologies to existing Build & Deployment Strategies
* Providing end to end SCM consultation and implementation

### Technical Summary

# Cloud Services : AWS , exposure to OpenStack

Container Deployments : Vagrant, Docker

# Build Tools : Ant, Maven, Gradle, NANT.

Scripting Languages : Shell, Ruby, Perl

# Configuration Management : Perforce, Subversion, GIT,

CI Tools : Jenkins ,AntHillPro, Teamcity, Bamboo

Operating Systems : Windows, Unix, 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,BugZilla, JIRA and Rational Clear Quest.

DevOps : Chef, Puppet,

Other Tools/Applications : HP PPM, Sharepoint, Confluence, F5,

# Professional Experience

**Fiserv June13- Present**

**Portland, OR**

DevOps / Build and Release Engineer

**Role & Responsibilities:**

* Perform DevOps for Linux and Windows platforms using Jenkins, Maven, Ant, Nexus, SVN, GitHub Enterprise, chef , Docker, AWS .
* Implement multiple CI/CD pipelines as part of DevOps role for our on-premises and cloud-based software.
* Help the development, CFT, and support organizations achieve their targets by ensuring a smooth running build, release, test, patch process.
* Maintain the tool eco-system that the larger eDiscovery Platform team relies so heavily on, such as JIRA, Confluence, Jenkins, Nexus, and Subversion.
* 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 , Gradleetc
* 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
* Configure the setup of every release biweekly and monthly on the regular basis for product teams to perform integration testing.
* Maintained over 80+ jobs in Jenkins from 10 different Application teams for over 6+ releases in parallel.
* Helped teams move cronjobs/scheduler to Jenkins & configure jobs
* Managed daily and nightly Integration test builds for Dev Teams sizing upto 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 etcforevery 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
* Handling the cutover activities, Dependencies, resource allocation, Overseeing the approvals , downtime schedules for PROD releases etc..

**Davita Dialysis Apr 12- June 13**

**King Of Prussia, PA**

Sr Build and Release Engineer

**Role & Responsibilities:**

* Work as a Build Engineer for a team that involves three different developments teams and multiple simultaneous software releases.
* Proposed industry best branching strategies and created branches to implement parallel development in fast paced agile environment.
* Planned and executed the migration from Bugzilla-based bug-tracking into the Atlassian-based suite (JIRA, Confluence).
* Involved in Installing and configuring GIT distributed version control tool
* Written pre-commit, post-commit, post-receive hooks in GIT
* Created Maven POMs to automate the build process for the new projects and integrated them with third party tools like Sonar, Nexus.
* Expertise with Maven Dependency, plugin and nexus repository management during the builds.
* Installed and administered nexus repository and created roles and privileges to restrict access to the users
* Involved in troubleshooting build issues for java errors due to vast exposure to language.
* Integrated the existing Ant scripts to automate the code quality report generation process for the existing legacy based applications
* Installed Jenkins and perform troubleshooting during installation to implement the CI process for the java application builds.
* Created Slaves to implement the build farm where multiple builds run on multiple slave machines in Jenkins
* Responsible in deploying the application WARs, EARs in Weblogic application servers and troubleshoot any deployment issue.
* Identify and coordinate deployment of appropriate modules to various test environments and production environments.
* Work closely with developers to pinpoint and provide early warnings of common build failure.
* Development of automated Daily **build** scripts for Java J2EE and dotnet **build** using Batch Files and Ant/Nant.
* Maintain build environments for all products and perform official builds for release to Quality Assurance.
* Maintain nightly software builds and update build scripts as needed.
* Assist in specification, design, and implementation of new product features and enhancements.
* Ensure quality of deliverables using best practices of development processes.
* Developing multisite feature of subversion version control tool.
* **Responsible for the EBFs (Emergency Bug Fixes)** to push them to different environments and monitor their status.
* Created the build instructions docs and install (deploy) instructions docs for each application for different environments.
* Responsible to review production release doc for recommendations.
* Strictly enforced ITL process while pushing builds and deployments to prod and staging environments.

**Electronic Data Systems (EDS), Plano, TX**  **Jan 11- Mar 12**

Sr Infrastructure Specialist

* Build and release **software baselines, code merges**, **branch and label creation** and interfaced between development and infrastructure.
* Setup different environments for build, (Test, Development, Pre-production and Production).
* Deployment of the Business processes by creating JAR, WAR and EAR files to WebSphere and WebLogic application servers.
* Built, configured and supported Application team environments.
* Worked with Development Team Leads and testing teams to establish a build schedule, execute the builds and troubleshoot build failures, if any.
* Coordinate with the Development Teams to receive the correct versions of re-usable and dependent components and with Environment team for issuing/installing successful builds.
* Used **ANT** and **MAVEN** for building the applications and developing the build scripts.
* Build, configured and support Application team environments.
* Configurations, setup and building of interfaces and modifying the flow to give the opportunity for re-use scalability and functionality.
* Writing shell and Perl scripts for automated deployments especially in handling all the tasks before kicking off WSLT or WSADMIN scripts or admin console deployments

**Symbiosis Systems, Gurgaon, India Apr 07- Nov 10**

Sr Infrastructure Specialist

* Responsible for Development, **UIT, SYTEM, UAT, STAGING** Builds and Releases.
* Builds and deploys **J2EE application in Oracle Weblogic server 11g**.
* 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.
* Enforced automation in build and deployment procedures, executed code builds and deployment activities.
* Deployed built artifacts to Websphere application server using maven and python scripts.
* Responsible for design and maintenance of the **Subversion** (SVN) Repositories,
* Managed the source codes repository of multiple development applications using **Tortoise SVN**.
* 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.
* 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.

**Education** :

Master of Computer Applications from Acharya Nagarjuna University – 2006 -India.

Bachelor of Computer Applications from Andhra University – 2003 –India.