Karthik Reddy
DevOps Engineer - Kantar Media

Philadelphia, PA - Email me on Indeed: indeed.com/r/Karthik-Reddy/896ac828c4aaee23

• Having 8 years of experience in DevOps, Configuration Management and Build and Release.
• Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, Scrum, and Waterfall methodologies.
• Extensively worked on Hudson, Jenkins, Team City and Bamboo for continuous integration and for End-to-End automation for all build and deployments.
• Administered and Implemented CI tools Hudson/Jenkins, Build Forge and Bamboo for automated builds and deployments.
• Create Build jobs in Jenkins and monitor status of daily builds.
• Used ANT scripts, Make and Maven for Build process.
• Expertise in Continuous Delivery tools like Chef, RunDeck and puppet.
• Experience in branching, tagging and maintaining the version across the environments using SCM tools like Subversion (SVN), CVS and GIT on UNIX and windows environment.
• Expert in deploying the code through web application servers like Apache Tomcat/JBOSS/IIS application servers.
• Expertise in Shell Scripting and Perl Scripting for Environment Builds and Automating Deployment on WebSphere Application Servers and WebLogic Application Servers.
• Good Knowledge in bash (Shell) and exposure to Jython, Python scripting.
• Experience writing Shell scripts and Perl scripts to automate the deployments
• Extensive experience with configuration management tools such as Chef, Puppet & similar deployment tools.
• Worked with different Bug tracking tools like JIRA, Rally, Remedy, Fisheye, Crucible and IBM Clear Quest.
• Extensive experience using MAVEN, ANT as build tools for the building of deployable artifacts from source code.
• Experience in continuous integration technologies Bamboo and Jenkins. Designed and created multiple deployment strategies using Continuous Integration and Continuous Development Pipelines and configuration management tools with remote execution to ensure zero downtime and shortened deployment cycles via automated deployments.
• Established capabilities in application design, implementation, troubleshooting, monitoring, continuous improvement and change controls. Enhances and automates internal processes to generate efficiency.
• Highly motivated and committed DevOps Engineer experienced in Automating, Configuring and deploying instances on AWS, Azure and Rack space, cloud environments and Datacentres, also familiar with EC2, Cloud watch, Elastic Search and managing security groups on AWS.
• Experience in monitoring System/Application Logs of server using Splunk to detect Prod issues.
• Experience with build tools Ant and Maven for writing build (. xmls) and pom.xmls respectively.
• Excellent communicative, interpersonal, intuitive, analysis and leadership skills with ability to work efficiently in both independent and team work environments.
• Understanding of Amazon Web Services (EC2, S3, Cloud formation, OpsWorks, etc.).
• Strong ability to troubleshoot any issues generated while building, deploying and in production support. Hands- on experience in developing web applications using Python on Linux and UNIX platform.
• AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
• Application Deployments & Environment configuration using Chef, Puppet
• Involved in writing Perl, python and shell scripts for compilation and deployment process.

• Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.
Willing to relocate: Anywhere

WORK EXPERIENCE

DevOps Engineer
Kantar Media   -   Philadelphia, PA   -   January 2015 to Present

Responsibilities:
• Creating the automated build and deployment process for application, re-engineering set up for better user experience, and leading up to building a continuous integration system
• Implementing new projects builds framework using Jenkins & maven as build framework tools
• Implementing a Continuous Delivery framework using Jenkins, Puppet, Maven and Nexus in Linux environment.
• Responsible for Database build, release and configuration.
• Responsible for nightly and weekly builds for different modules.
• Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
• Managing Monitoring solution using Nagios Environment.
• Updating monitoring parameter in Nagios with active and passive check.
• Troubleshoot the build issue during the Jenkins build process.
• Integration of Maven/Nexus, Jenkins, Urbancode Deploy with Patterns/Release, Git, Confluence, Jira and Cloud Foundry.
• Created and maintained the Shell/Perl deployment scripts for TC Server/Tomcat web application servers.
• Developed and implemented Software Release Management strategies for various applications according to the agile process
• Interacted with client teams to understand client deployment requests
• Coordinate with the development, Database Administration, QA and IT Operation teams to ensure there are no conflicts.
• Worked very closely with the 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
• Defined branching, labelling and merge strategies for all the applications in Git
• Managing code migration from TFS, CVS and Star team to subversion repository
• Manage server monitoring and log management using Splunk, Hubble, and AppDynamic
• Manage build and deployment using maven, Jenkins, Chef, SCM tools
• Implementing Chef and configuring it was well
• Troubleshoot the automation of installing and configuring applications in the test environment
• Provided periodic feedback of status and scheduling issues management
• Developed and maintained UNIX/Ruby/Maven scripts for build and release task
• Defined and implemented build and deployment strategies for all applications
• Create and manage Chef Cookbooks (RedHat 6)
• Configured Jenkins for continuous integration
• Configured Jenkins with Plugins and created jobs
• Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and Chef

Environment: Git, Jenkins, Chef, Ant, Jira, Confluence, AWS EC2, RedHat 6, VMware, Linux, Python, Ruby, Maven

Build & Release Engineer/ DevOps Engineer
Liberty Mutual Insurance   -   Indianapolis, IN   -   August 2013 to December 2014

Responsibilities:
• Configured GIT with Jenkins and schedule jobs using Poll SCM option
• Experience in working GIT for branching, tagging, and merging
• Worked closely with the development team in the design phase and developed use case environment
• Worked with the Architect on SDLC process being the owner of post development environment
• Worked closely with the team to review code for compatibility issues
• Migrated source control tool from clear case to Subversion (SVN) and build tool from Ant to MAVEN
• Wrote ANT and MAVEN script to automate the build process
• Used Subversion for the purpose of software configuration management and maintain the versions
• Participated in the release cycle of the product, which involves environment like development QA, UAT and production
• Configured the load balancer and VPC with public and private subnet
• Performed branching and merging as per the schedule
• Performed S3 bucked creation, policies and also on the IAM role based polices and customizing the JSON template
• Managed repository, folder and user/group privileges different environment
• Managing the release process end - to - end, from the planning of release content through to actual release deployment to production. Leads and facilitate the planning of product software releases
• Manging. Directing and coordinating all code and code related activities for all applications including but not limited to the requisitioning of code streams, delivery, packaging, deployment, environment setup, and release capabilities across the portfolio
• Developed Bash and Python scripts for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed
• Created the Master/Slave pattern for Jenkins to distribute the load and builds around the build farm
• Managed and performed the environment related configuration changes as a part of deployment
• Served as a partial administrator for Linux machines
• Installed the applications on AWS EC2 AMI instances and also configured the storage on S3 Buckets
• Configuration management and server application management using Chef and Puppet
• Maintained user account across the networking using Chef
• Used JIRA tool to track the defects and changes released to all the environments

Environment: Chef, ANT, Maven, Jenkins, Shell Scripts, XML, Linux, Apache, Python, Amazon AWS Services, MySQL, JIRA, Subversion (SVN)

Build and Release Engineer
General Motors   -   Detroit, MI   -   October 2012 to June 2013

Responsibilities:
• Experience in working GIT for branching, tagging, and merging.
• Configured GIT with Jenkins and schedule jobs using Poll SCM option
• Worked closely with application developers to devise robust deployment, operating, monitoring, and reporting for the COTS applications.
• Worked with the Architect son SDLC process being the owner of post development environments.
• Worked closely with the Development Team in the design phase and developed use case diagrams using Rational Rose.

• Deployment, implementation of Subversion (SVN) as source control, collaboration and QA tool. Project management, versioning and blame/issue tracking using Subversion (SVN).
• Worked closely with the team to review code for compatibility issues.
• Developed and implemented the software release management for the release of web applications.
• Coordinating the resources by working closely with Project Manager's for the release and Carried Deployments and builds on various environments using continuous integration tool.
• Designed a customized Status Reporting tool used currently based on the specific requirements usingJ2EE/ Struts and Web sphere Application Server with DB2 as Database.
• Migrated source control tool from Clear Case to Subversion (SVN) and build tool from Ant to MAVEN.
• Wrote ANT and MAVEN Scripts to automate the build process.
• Used MAVEN as a dependency management tool to manage all the dependencies that are required.
• Planning, scheduling and documenting release sat code Freeze Periods.
• Co-coordinated Instance Refreshes and Environment Re-base lining.
• Converted and automated builds using MAVEN and ANT. Scheduled automated nightly builds using HUDSON.
• Sole person to be responsible for Release/Change control Process.
Environment: Java/J2ee, GIT, Jdk, Ant, Maven, Subversion (SVN), Hudson/Jenkins, Clear Case, UNIX, Web Sphere, Perl Scripting.

Build Engineer
EviCore Healthcare - Franklin, TN - January 2011 to August 2012

Responsibilities:
• Involved in setting up Jira as defect tracking system and configured various workflows, customizations and plug-ins for the Jira bug/issue tracker.
• Integrated Maven with Perforce to manage and deploy project related tags.
• Installed and administered Tomcat repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
• Mentor Business Areas on Subversion Branching, Merging strategies concepts.
• Resolved update, merge and password authentication issues in Jenkins and Jira.
• Involved in implementing Tool Suite (Jenkins) and deployed the built into JBoss application server.
• Setting up continuous integration and formal builds using Jenkins with Maven and Tomcat repository.
• Installed and configured Confluence as the enterprise wiki to document development and change management procedures.
• Involved partially in deploying WARs/EARs (backend) through Apache Tomcat Application Server console.
• Used Shell script to configure the Apache Tomcat application server in all the environments
• Support Lead developers with Configuration Management issues.
• Worked for Creating the Software Configuration Management Plan.
• Managed all the bugs and changes into a production environment using the Jira tracking tool
• Managed the entire release communication and Release co-ordination during the Project roll-out
• Involved in estimating the resources required for the project based on the requirements.

Environment: JIRA, SVN, GIT, Apache ANT, Maven, jerkins, Anthill pro, Apache Tomcat, Shell Script, Unix/ Linux, Windows, JBoss

Release Engineer
Virtusa - Hyderabad, Andhra Pradesh - June 2008 to December 2010

Responsibilities:
• Participated in the release cycle of the product which involves environments like Development INT, QA and Production

• Developed and implemented Software Configuration Management strategies for various applications according to the agile process
• Managed the IBM Clear Case for few applications by creating Release branches, Development branches thus ensuring the integrity of Trunk
• Installed and Administered Build Forge CI for ANT Builds
• Implemented LDAP authentication for Jenkins.
• Experience in User Management for Build Forge CI.
• Worked in agile modelled software development life cycle.
• Participated in weekly release meetings with Technology, stakeholders to identify and mitigate potential risks associated with the monthly releases.
• Developed build scripts using ANT as the build tool for the creation of (WAR files) build artifacts.
• Involved in troubleshooting the automation of Installing and configuring JAVA applications in the test and production environments.
• Built and Deployed java source code into application servers in an Agile continuous integration environment.
• Maintained the Shell and Perl scripts for the automation purposes.
• Deployed the archives like war files into the Web Sphere Application Servers.
• Involved in editing the existing ANT build files in case of project requirement changes.
• Responsible for the development and maintenance of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
• Jenkins is used as a continuous integration tool for build and deployment of JAVA code.
• Used Clear Quest as deployment issue tracking tool.

Environment: Development INT, QA and Production, IBM Clear Case, Build Forge, LDAP, JAVA applications, Shell and Perl, Web Sphere, ANT build files and Clear Quest

EDUCATION

Bachelors of Technology in Electronics and Communications
JNTU - Hyderabad, Andhra Pradesh

ADDITIONAL INFORMATION

Operating Systems: Windows […] UNIX, LINUX, RHEL
Source control tools: Subversion, Clear case, GIT and Perforce
Build Tools: ANT, MAVEN
CI Tools: Hudson, Jenkins, AnthillPro, and Build Forge
Repositories: Nexus, Artifactory
CM Tools: Chef and Puppet
Languages: C, C++, Perl scripting, Shell scripting, Python, SQL, Java/J2EE
Tracking tools: JIRA, Remedy, Clearquest, Bugzilla
Web servers: WebLogic, WebSphere, Apache Tomcat, JBOSS
Databases: Oracle, SQL SERVER, MYSQL, DB2
Other Tools: ITG, IntelliJ IDEA, DB Visualizer, Aqua Studio