VALASANI VARUN KUMAR

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PROFESSIONAL SUMMARY:

* Over 4.3+ years of experience as DevOps/Build/Release Engineer in solving complex problems with creative solutions, supporting development, Deployment operations in different environments.
* Experienced in working on DevOps/Agile operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* Strong hands on development and configuration experience with software provisioning tools like Chef, Puppet.
* Expertise at build tools like MAVEN and ANT for the building of deployable artifacts such as war & ear from source code. Application Deployments & Environment configuration using Chef, Puppet.
* Experienced in Cloud automation using AWS Cloud Formation templates.
* Experience with migration to Amazon web Services AWS from Datacenter.
* Experience with CI (Continuous Integration) and CD (Continuous Deployment) methodologies using Jenkins/ Hudson.
* Strong knowledge and real time experience in Amazon Web Services (EC2, S3, RDS, SES, VPC, Route 53, Elastic Beanstalk etc.)
* Experience in using Version Control Tools VSS, Sub-Version, GIT, perforce. Good experience in automating deployment pipelines.
* Experienced in build tools such as Apache Ant, Maven.
* Strong knowledge / experience in creating Jenkins CI pipelines. Experience in Jenkins to automate most of the build related tasks.
* Experience is using Tomcat, JBOSS, WebLogic and WebSphere Application servers for deployments.
* Strong hands on experience with scripting languages like Perl, Ruby and Shell Script and JavaScript.
* Experience in Improving throughput and efficiency of build system by providing EO/managers rights to trigger required build.
* Experienced in project analysis, gathering user requirements, technical design and training customers.
* Experience in managing infrastructure resources in cloud architecture with close coordination with various functional teams.
* Comfortable and flexible with installing, updating and configuring various flavors of UNIX and Windows.
* Ability to work directly with all levels of Management to gather user requirements.
* Good interpersonal skills, proven team player with an analytical bent to problem solving.
* Outstanding analytical and communication skills and can perform independently and delivering under high stress environment.

TECHNICAL SKILLS:

• Build Tools : Ant, Maven, Gradle  
• SCM /CI Tools : Subversion (SVN),GIT, Jenkins (1.6 & 2.0),Bamboo,Teamcity  
• Web/App Servers : JBOSS EAP 6, Apache Tomcat 8 ,Apache http 2.2 ,WAS8  
• Scripting Langs       : Shell scripting, Perl, Ruby DSL, Groovy DSL, Yaml  
• Platforms :UNIX (AIX, Solaris), LINUX (RHEL 7, CentOs 7 and Ubuntu 15)   
• RDBMS : SQL Server, Oracle 10g, MySQL  
• NoSQL       : MongoDB, AWS Dynamo  
• Code Analysis : Sonar  
• Config Mgmt Tools : Chef 12, Puppet 3,Ansible 1.9  
• CloudProvider(Public): AWS   
• Monitoring  tools    : Nagios, Sensu, Cloudwatch  
• Centralized Log solns : ELK stack, Sumologic  
• TCP/IP Stack            : DNS, LDAP, HTTP, SMTP  
• Cache Layer : Redis  
• LoadBalancer : ELB, Apache, Cisco ANM

EDUCATION DETAILS:  
Completed, Bachelor of Technology in Electronics and Communication from JNTU, Hyderabad in 2012.  
  
PROFESSIONAL EXPERIENCE:  
Working as Build, Deploy and Release Engineer/Software Configuration Engineer at Birlasoft, Since 2012

PROFESSIONAL EXPERIENCE:

Enterprise, Los Angeles, CADecember 2014 – Till Date

Role: DevOps Consultant

Responsibilities:

* Created the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Installed, Configured and Administered Hudson/Jenkins Continuous Integration Tool.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Developed automation framework for Application Deployments to the cloud environments.
* Worked on Managing the Private Cloud Environment using Chef.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto Scaling groups, Optimized volumes and EC2 instances.
* Performed Branching, Tagging, Release Activities on Version Control Tools: SVN, GIT.
* Developed Perl and shell scripts for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.
* Automated the cloud deployments using chef, Ruby and AWS Cloud Formation Templates.
* Used Maven as build tool on Java projects for the development of build artifacts on the source code.
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using Amazon EC2, Chef, and custom Ruby/Bash scripts.
* Deployed the Java applications into web application servers like JBoss.
* Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments
* Worked on the cloud-based diagramming software called Gliffy for creating different types of design documents required for the continuous integration process.
* Worked on configuring the Jenkins to use MetaCase Software to build Java code and also to do the whole C.I process on the java code generated by MetaCase.
* Troubleshot and resolved Build failures due to infrastructure issues reduced by 95% stabilizing the build process. Setup and executed process to code review system effectively.
* Responsible for defining branching & merging strategy, Checkin policies, improving code quality, automated Gated Checkins, defining backup and archival plans.
* Troubleshot Build and Deployment Issues, with little downtime.
* Organized and Coordinated Product Releases, work closely with product development, QA, Support across global locations to ensure successful releases.
* Documented release metrics, software configuration process. Used Maven scripts to build the source code. Supported and helped to create Dynamic Views and Snapshot views for end users.

Environment: DevOps, Java, Ant, Maven, Jenkins, Hudson, Chef, Puppet, Ruby Perl, AWS, GIT, SVN, Apache Webserver, JBoss, Apache JMETER, Gliffy, MetaCase, GIT, SVN, Windows.

Express Scripts Inc., Bloomington, MN October 2013 – November 2014

Build and Release Engineer

Responsibilities:

* Member of the Technical Design team, Build and Release Module for Development of new products.
* Worked for DevOps Platform team responsible for specialization areas related to Chef for Cloud Automation.
* Provided stable build environments for product development.
* Actively involved in architecture of DevOps platform and cloud solutions.
* Managed central repositories: Implemented Atlassian Stash along with GIT to host GIT central repositories for source code across products, facilitate code reviews and login audits for Security Compliance.
* Developed installer scripts using Ant, Ruby, and UNIX for various products to be hosted on Application Servers.
* Used chef for server provisioning and infrastructure automation in different environments.
* Set up CI (Continuous Integration) for major releases in Jenkins and TeamCity.
* Integration of Automated Build with Deployment Pipeline. Currently installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
* Implemented and building tools such as Ant/Maven inorderto automateand enhancethe overalloperational environment.
* Worked on Cloud automation using AWS Cloud Formation templates.
* Implemented Chef Recipes for Deployment on build on internal Data Centre Servers. Also re-used and modified same Chef Recipes to create a Deployment directly into Amazon EC2 instances.
* Implemented scheduled downtime for non-prod servers for optimizing AWS pricing.
* Integrated various provisioning and monitoring modules into a single platform using Jenkins/Hudson CI tools.
* Maintaining a farm of EC2 instances, ELB’s and RDS.
* Troubleshot issues along the CI/CD pipelines.
* Evaluated testing of Chef Recipes – Concept of Test Driven Development for Infrastructure as a Code.
* Implemented Chef Cookbooks for OS component configuration to keep AWS server’s template minimal.
* Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration.
* Developed Custom Scripts to monitor repositories, Server storage.
* Automated deployment of builds to different environments using Jenkins/Hudson CI tools.
* Designed and implemented the backup strategy for all the critical systems such as build machines, bug tracking tools, central repositories etc.
* Worked on administering the METACASE client-server architecture domain specific modeling software.
* Documented all build and release process related items. Level one support for all the build and deploy issues encounter during the build process.

Environment: DevOps, Java/J2EE, Git, jQuery, Tomcat, Apache, Oracle 11g, Jenkins, Hudson, Ruby Chef, JIRA, Ant, Maven, Artifactory, Git, Ubuntu, CentOS, Linux, AWS ELB, AWS SQS, AWS S3, AWS Cloud Formation Templates, AWS RDS, AWS Cloud Watch, Ruby, PowerShell, Chef.

Visual Tech Pvt. Ltd., India August 2012 - September 2013

Software Engineer (Release/ Build)

Responsibilities:

* Setting up Jenkins master, adding the necessary plugins and adding more slaves to support scalability and agility.
* Planning and setting up of Continuous Integration for various properties on Jenkins with Commit, Component, Assembly, Deployment and Smoke jobs.
* Setting up commit builds to check for compilation failures of checked-in source code by the developers to accelerate CI.
* Assembly, deploy jobs to list the exact configuration of packages with all their dependencies, settings and deploying them to various environments for running tests.
* Working with the development team to increase the unit test code coverage.
* Establish CI/CD for trunk and branches to support parallel development.
* Planning the releasing activities and delivering them on schedule.
* Managing nightly builds, weekly builds, feature addition builds and Sales Candidates.
* Integrating the latest available changes / components to the product software
* Base lining the software contents.
* Creating software packages for factories.
* Creation of packages for updates through Internet (e.g., FOTA, FOTI).
* Automation of day-to-day, repetitive tasks.
* Part of a World class team whose primary goal is to implement Release/Build as a practice across the Organization covering around 30 projects.
* My Responsibilities include Searching, Learning, Training and Documenting on new DevOps tools which would fit in our current Eco-System.
* Have done various POCs to explain and demonstrate the possibility of implementing CI/CD in various projects.
* Developed Jenkins Plugins which integrates our In-house tools with Jenkins.
* Implemented E2E pipeline in Jenkins which would do the below activities:
* Poll the SCM for new Commits. (SCM- TFS, SVN etc.)
* Build the code using build tools. (Maven, Ant, MSbuild etc.).
* Designed and implemented automation deployment using to promote major releases, monthly releases, and patches from Development -> Integration/QA -> Staging/UAT -> Production.