**Srinivasa Karthik**

**Professional Summary**

* Over 7+ years of experience in IT industry comprising of Development, Systems Administration and Software Configuration Management (SCM).Extensive experience includes SCM, Build/Release Management, Change/Incident Management, VMware and AWS Cloud computing.
* Written Chef cookbooks and recipes to Provision Several pre-production environments consisting of Apache domain creations and several proprietary middleware installations.
* Designing, building infrastructure on AWS environment.
* Hands on experience in AWS provisioning and good knowledge of AWS services like EC2, S3, Glacier, ELB, RDS.
* Followed an extremely light and efficient Agile process, adapted to be most easily applied in order to deliver an end to end continuous integration/continuous delivery product in an open source environment using tools like Chef & Jenkins.
* Expert in using different source code version control tools like CVS, Subversion, Perforce, Clear case, TFS and GIT
* Experience in Build automation tools like Jenkins, Ant, Maven, Cruisecontrol.
* Experience in automating configuration management using Chef and Puppet
* Responsible for code deployment to SIT, UAT, Staging and Production environments.
* Automate orchestration of different environment using puppet/chef in Cloud (AWS and Azure)
* Implementing automated deployment solution using Chef
* Experience in the usage of data center automation and configuration management tools such as Ansible, Vagrant, Docker, etc.…
* Experienced with Windows, Linux/UNIX environments and scripting for Build & Release automation.
* Good team player with strong work ethics.
* Expertise in Build & Release automation using Shell, Perl, Jenkins, Ruby, Ant and Maven
* Defining Branching strategies and CM build cycle in a complete SDLC for various projects.
* Proficient in Shell/Python/Ruby Scripting for build automations.
* Proficient in Continuous Integration using Jenkins.
* Experience with defining release strategy, process and preparing user documentation for software configuration management
* Worked with Amazon IAM console to create custom users and groups
* Very good knowledge on System monitoring tools like Nagios.
* Experience in working with load balancer and Weblogic Clustering
* Experience with implementing project change control into software release management in multiple technical environments including UNIX, LINUX and Windows
* Experience with setting up Chef Infra, Bootstrapping nodes, creating and uploading recipes, node convergence in Chef SCM
* Extensively used ClearQuest, Jira, Remedy for bug/defect management system
* Currently using Make, Ant, Maven and Jenkins as tools for SCM.
* Proficient with deploying Java (EAR and WAR) files and Microsoft .Net(dll) files.
* Good knowledge of virtualization and container technology like Docker.
* Maintenance of Development, QA, and Production Servers.
* Demonstrated leadership and worked independently with the development and QA teams to build/test all components of a software product, to keep up with changes in the product releases.
* Support the implementation/improvement of software development practices, release management methodologies and software deployment strategies.

**Technical Skills:**

**Configuration Management** :Chef, Puppet.

**Cloud Computing** :AWS

**Build tools**  :Ant, Maven

**Scripting languages**  :Shell,Powershell, Ruby, Perl

**Source Code Management** :Subversion, Tfs, Git, Perforce

**CI Tools**  :Jenkins, Bamboo, AnthillPro

**Operating systems**  :Windows, Linux and Solaris

**Databases** :Sql Server, Oracle, MySql

**Change Management** :Remedy, Service Now and PVCS Tracker

**Web/Application Servers** :Tomcat, Weblogic,Jboss.

**Bug Reporting tools**  :Bugzilla, Jira

**Project Details**

**Scholastic Inc. New York, NY**

**Sept 2014 - Till date**

**Cloud/Devops Engineer**

**Responsibilities:**

* Provided configuration management expertise to all software development projects.
* Automation of Java applications to achieve continuous integration and continuous delivery (CI and CD).
* Set up Jenkins for Continuous Integration Process
* Configured various jobs in Jenkins and Hudson for deployment of Java based applications and running test suites.
* Migrated the entire SocialMedia.com infrastructure from Amazon Web Services to Rackspace Cloud.
* Currently responsible for integration of Symantec’s storage and Backup solutions with **OpenStac**, mainly on cinder component. Written end to end cinder volume driver for Symantec.
* Assist the customer in migration of existing physical and virtual environments to **cloud based** architectures.
* Assist the customer in resolving information assurance issues related to cloud computing.
* Provide strategy development and technical expertise for **Cloud Computing**, Cyber Operations and Command And Control, Service Oriented Architectures (SOA), and Mobile Applications.
* Focused on reducing overhead and increasing productivity for our clients through multiple channels, including virtualization, cloud-based services, and automation where possible.
* Assisted in migrating the existing data center into the **AWS** environment.
* Installed the application on **AWS** EC2 AMI, Red hat, Ubuntu Instances.
* Managing **AWS** infrasturucture with automation and configuration management tools such as **Ansible,** Puppet, or custom-built. Designing cloud-hosted solutions, specific AWS product suite experience.
* Worked on Physical to **Cloud Migration** in AWS.
* working on OpenStack to leverage open-source hypervisors and to integrate NetApp Storage with OpenStack block Storage and Object Storage.
* Automation of OpenStack installation and operation using Ansible configuration management
* Design, development and operation of private cloud based on OpenStack platform.
* Network architect for ESI cloud deployment utilizing the OpenStack framework and AGILE development methodologies to drive end to end automation for enterprise application deployments.
* Setup ANT script based jobs in Jenkins and Worked with Jenkins Pipelines
* Build scripts using ANT and MAVEN build tools in Jenkins, Sonar to move from one environment to other environments.
* Working with Cross teams to initiate the BambooGO-CD migration for DEV/QA and eventually other environments.
* Migrated production database from Heroku to Amazon RDS.
* Advised DevOps with their project to migrate from Engine Yard Cloud and Managed systems to AWS.
* Migration of repository database from Subversion to GIT.
* Framed and completed a migration plan for continuous integration environment from Ubuntu to SUSE Linux.
* Created and maintained the Python deployment scripts for Web Sphere web application server.
* Developed shell scripts for automation of the build and release process.
* Managed Maven project dependencies by creating parent-child relationships between Projects.
* Managed 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 Puppet.
* Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
* Responsible for design and maintenance of the Subversion/GIT, views, and the access control strategies.
* Set up the scripts for creation of new snapshots and deletion of old snapshots in S3
* Worked on setting up the life cycle policies to back the data from AWS S3 to AWS Glacier
* Worked with Amazon IAM console to create custom users and groups
* Worked with various AWS EC2 and S3 CLI tools
* Experience with setting up Chef Infra, Bootstrapping nodes, creating and uploading recipes, node convergence in Chef SCM
* Experience in setting up the chef repo, chef work stations and chef nodes
* Experience in working with data bags, attributes, cookbooks, recipes and templates in Chef
* Researched and implemented code coverage and unit test plug-ins like FindBugs, Checkstyle and PMD with Maven/Hudson.
* Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes.
* Provided end-user training for all Tortoise SVN, JIRA users to effectively use the tool.
* Deployed J2EE applications to Application servers in an agile continuous integration environment and also automated the whole process.

**Environment:** Web Sphere, Apache Tomcat, Jenkins, SVN, Ant, Maven, Java, CHEF, Python, Shell, AWS

**BB&T,** **Greensboro, NC**

**Oct 2013 to Sep 2014**

**Cloud/DevOps Engineer**

**Responsibilities:**

* Responsible for Design and architecture of different Release Environments for new projects.
* Writing Maven and Ant scripts for application layer modules.
* Provide strategy development and technical expertise for Cloud Computing, Cyber Operations and Command And Control, Service Oriented Architectures (SOA), and Mobile Applications
* Implementing new projects builds framework using Jenkins & maven as build framework tools.
* Lead geographically dispersed globally matrixed team who assist corporations in their efforts to realize the potential of **cloud** and high performance computing while modernizing their current infrastructures.
* Focused on reducing overhead and increasing productivity for our clients through multiple channels, including virtualization, **cloud**-based services, and automation where possible.
* Led the team responsible for designing, building, and scaling the company’s **cloud**-based enterprise hosted Exchange platform
* Analyze and Evaluate Existing Architecture at Customer on Premise Datacenters and Design, Configure andmigrate complex Network architectures to **AWS** Public Cloud.
* Implemented and configured high availability and disaster recovery using SnapMirror.
* Writing **AWS** Terraform templates for any automation requirements in **AWS** servicesWorking with Ansible Playbooks for configuration management.
* Setup and support automated Continuous Integration utilizing tools like Jenkins, Shell Scripts, **AWS** CLI/AP.
* Implementing a Continuous Delivery framework using Jenkins, Chef, Maven & Nexus as tools
* Defining Release Process & Policy for projects early in SDLC.
* Implemented continuous integration and deployment of new builds using Jenkins CI and custom Ruby/Bash scripts.
* Automated middleware management of different environment using puppet/chef in Cloud (AWS)
* Coordinating with Different Project teams on Build & release planning and efforts.
* System monitoring with Nagios & Graphite
* Responsible for nightly and weekly builds for different modules.
* 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 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(SVN), CVS, Maven, and Ant, AWS, Jenkins & Jira, Nexus

**TDS Inc., Madison, WI**

**Jan 2012 to Sep 2013**

**Role: Build & Release Engineer**

**Responsibilities:**

Extensively worked on Installation and configuration of **Redhat Linux** 5 / 6, Ubuntu 12.04/14.04 and Windows 03/08 Servers on large distributed environment.

* Worked on Block Infrastructure to perform Virtualization using on **RHEL/SUSE** servers.
* Worked on Installation of VMware and creating Virtual Machines from scratch and from templates and Assisted in troubleshooting applications for Load balancing.
* Worked with **SSL, RSA, PKI**.
* Deployed and Configured Automation tools like **Puppet** and **Chef.**
* Worked on configuring Puppet master servers and installing Puppet client software on Linux servers.
* Deployed **Puppet,** Puppet Dashboard, and Puppet DB for configuration management to existing infrastructure.
* Worked on Installation and Configuration of **Chef Server** and **Chef-client** (Nodes)
* Deployed and maintained infrastructure using **Chef cookbooks** and **recipes**
* Configured yum repository server using Chef on RHEL 5/6.x in VMware environment.
* Worked on Shell scripting.
* Installed Nagios on the Global Servers and developed Bash Scripts for Monitoring Point of view.
* Working with **AWS** Cloud computing and involved in creating AWS instances and deployed Linux and Ubuntu on AWS environment and Expertise in migrating applications onto **AWS**.
* Worked on Keystone identity service, Swift object storage service, glance image service, Cinder block storage service and Networking service.
* Configured Various Network services such as NFS, DNS and NIS.

**Environment:** Java, J2ee, Eclipse, Tomcat, Apache, Red hat, Oracle 11g, Jenkins, System architecture, Perl, Ruby JIRA, Maven, Ant, Git, Ubuntu, Windows, AWS, Ruby, Python, Chef,Windows

**CNA Insurance,** **Richmond, VA**

**Apr 2011 to Dec 2011**

**Build & Release Manager**

**Responsibilities:**

* Specified Experience in configuring and deploying Java and J2EE applications into application servers (Rational Web-sphere, Jboss and Apache Tomcat).
* Updated Maven build configurations and created integration tests and performance tests Managed SVN branching and merging for older projects in multiple simultaneous releases.
* Creation and maintenance of scripts for development and deployment.
* Maintenance of continuous integration based on Maven and Hudson.
* Created and maintain build automation shell, manage building fixes, merges, release cuts as needed, written scripts for environment changes in Bash for Web-sphere mapping modules to the enterprise application.
* Involved in Ruby on Rails development, development process improvement, TDD mentoring.  
  Responsible for maintaining and extending all build scripts and related tools, written in zsh/sh, Ruby.  
  Utilize the Perforce command interface to automatically pull source code for builds from Linux.
* Worked with technical teams to ensure release plans align with end to end activities.
* Conduct builds for suite of J2EE applications using Hudson, Maven and Ant

**Environment:** Java, J2EE, Hudson, Maven, Ant, Python, SVN, Ruby, Perl, Linux, Jboss, Unix Shell Scripting.

**Lincoln financial Group,** **Los Angeles, CA**

**July 2009 to Mar 2011**

**Build & Release Engineer**

**Responsibilities:**

* Responsible for daily Build & Release of applications, writing automation scripts.
* Build of Database products & troubleshooting
* Defining the Complete Branching Strategy.
* Making daily night build & weekly Build for the product
* Responsible for writing Python Scripts for Build & Release as and when necessary.
* Deploy binaries in cloud using AWS API Tools.
* Writing SQL Queries for various Reports using Clear Quest.
* Writing Build & Release automation and maintenance for .Net, Embedded System Applications.

**Environment:** Windows, TFS, MS Build, NAnt Python, SQL Server, Microsoft.Net, IIS