**Ramya Krishna**

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#### Career Objective

Interested in long term opportunities providing responsibilities to architect, implement the DEVOPS activity's in AWS Cloud Computing environment and supporting AWS cloud in enterprise level.

#### Professional Summary

Having **2+ Years** of Experience in Implementing Organization DevOps strategy in various environments of Linux and windows servers along with adopting cloud strategies based on Amazon Web Services. Having **1.4 Years** of Database Administrator experience in IT Infrastructure and Hosting based 24X7 support environment.

* Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups etc..,
* Administration various environments in software development life cycle (SDLC) Windows, Ubuntu, Red Hat Linux and CentOS. Experience supporting Chef Environment with multi servers and involved in developing manifests.
* Creation of Clusters for Load Balancing and to provide Failover Environment.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
* Amazon tools used include EC2, RDS, S3 storage, Oracle, Python, Chef, GIT, and Jenkins
* Experience with monitoring tools like Nagios and Amazon Cloud watch to monitor major metrics like Network packets, CPU utilization, Load Balancer Latency
* Automated Regular AWS tasks like snapshots creation using python scripts.
* Devops experience with Chef, AWS (OPS Work).
* Configured and monitored distributed and multi-platform servers using Ops Work in AWS. Defined AWS stacks, layers and workstation to manage and configure nodes.
* Installing, customizing web servers as per existing infrastructure.& requirements
* Choosing webservers as per load, hardware & application type.
* Selecting & configuring web server roles i.e. Load Balancer, rev. proxy etc.
* Compiling them with required modules. Optimizing with carefully selecting worker process. Compression, etc
* Setting Memcach on AWS Elastic Cache & EC2 instances.
* Developed Cookbooks and Recipes to manage systems configuration.
* Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (SCM) tools like Subversion (SVN) and GIT.
* Experience in cloud stack such as AWS (Cloud formation) and stacks.
* Ability to build deployment, build scripts and automated solutions using scripting languages such as Shell scripting (Bash), Ruby.
* Worked on web servers like Apache and application servers like Tomcat to deploy code.
* Extensively worked on Jenkins and Hudson by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End to End automation for all build and deployments.
* Extensive experience with software Build automation and standardization tools like ANT, Maven
* Good knowledge in CI (Continuous Integration) and CD (Continuous Deployment) methodologies.
* Installed and Managed Jenkins for CI and Sharing Artifacts respectively within the company.
* Configuring network services such as DNS, NFS, SMTP, NTP, DHCP, LDAP, SAMBA, SQUID, postfix, send mail, ftp, remote access, security management and Security trouble shooting skills.
* Familiar with network tool Nagios and cacti.
* Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
* Excellent communication, team membership and relationship management skills.
* Experience with MongoDB, MSSQL, MySQL and Server DB Tasks.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.

#### Technical Skills:

Operating Systems : Linux (Red Hat 4/5/6), Ubuntu, Windows NT, 2000/03/07.

Cloud Technologies : AWS (VPC, EC2, S3, Cloud Watch, RDS, Cloud Front, IAM)

Scripting languages : Shell scripting

Configuration Management : CHEF

Continues Integration Tools : Jenkins

Web server Applications : Tomcat.

Version Control Tools : GIT, GitHub

Container Tool : Docker

Build Tool : Maven

Cloud platform : CloudFront, IAM, RDS, Route S3, CloudWatch, SNS

DBMS : SQL Server 2005, 2008, 2008R2 and 2012

Backup Tools : Symantec Netbackup

Monitoring Tools : Microsoft SCOM & IPMON

#### Professional Experience:

**Tavant Technologies India Pvt Ltd.**

**Jun-2015 – Till Date**

**Designation: AWS/ DevOps Engineer**

**Roles & Responsibilities:**

* Setup/Managing Linux Servers on Amazon ( EC2, EBS, ELB, SSL, Security Groups, RDS and IAM).
* Setup/Managing VPC, Subnets; make connection between different zones; Blocking suspicious ip/subnet via ACL.
* Setup/Managing CDN on Amazon Cloud Front (Origin Path: Server / S3) to improve site performance.
* Create/Managing buckets on S3 (CLI) and store db. and logs backup, upload images for CDN serve.
* Setup/Managing Databases on Amazon RDS. Monitoring servers thorough Amazon Cloud watch, SNS.
* Creating/Managing DNS records on Amazon Route 53 and go-daddy panel.
* Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
* Creating AWS Instances and Resources Bills.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
* Performed S3 buckets creation, policies and also on the IAM role based polices and customizing the JSON template.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.
* Managed servers on the Amazon Web Services (AWS) platform instances using Chef Configuration management.
* Create Chef Automation tools and builds, and do an overall process improvement to any manual processes.
* Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration.
* Installed application on AWS EC2 instances and also configured the storage on S3 buckets.
* Converting production support scripts to chef recipes. And AWS server provisioning using Chef Recipes.
* Involved in the installation and configuration of Nix as a web server.
* Experience with Build Management tools Ant and Maven for writing build.xmls.
* Experienced in build and deployment of Java applications on to different environments such as QA, UAT and Production.
* Branching, Tagging, Release Activities on Version Control Tools: SVN, GitHub.
* Extensive usage of Tortoise SVN in windows environment for version control activities.
* Implemented Continuous Integration using Jenkins and Hudson.
* Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to Chef-server, Managed On-site OS/Applications/Services/ Packages using Chef as well as AWS for EC2/S3&ELB with Chef Cookbooks.
* Deployed the java application into web application servers like Apache Tomcat.
* Experienced in deployment of applications on Apache Web server, Nix and Application Servers such as Tomcat
* Application Deployments & Environment configuration using Chef, Ansible.

**Global logic**

**Nov 2014 to May 2015.**

**Designation: Linux Administrator/AWS Cloud Engineer**

**Roles & Responsibilities:**

**Key performance indicators:**

* Disk Management, partitioning tools like fdisk, sfdisk etc. file system management ext3 file system & utilities (mke2fs, e2fsck, tune2fs) LVM physical volumes and logical volumes & volume groups extending file systems on LVM mount, unmount of file systems - /etc/fstab mount options disk quota.
* Installation and Configuration of RHEL4/5/6, Centos 5/6, Fedora.
* Implementing proper User Administration and file System management In Linux.
* Scheduling the jobs and analysing Cron jobs status.
* Worked with SAN team to create and manage storage using multipath, and LVM.
* Performance monitoring utilities like IOSTAT, VMSTAT, SAR and TOP
* Experience on package management via RPM, YUM.
* Experience in Networking File Sharing services – NFS, FTP and SAMBA.
* Installing and Configuration of Telnet, SSH and DHCP.
* Experience in Installation and Configuration of Apache web server.
* Experience in Monitoring & Health-Check of web and application server environments.
* Familiarity with Shell Scripting and automation.
* User administration, creating, modifying and deletion. Resetting UNIX account password.
* Installing applications on Linux flavors.
* Applying Quota limit on the file system, giving permission to user though ACL.
* Attending call's as per the priority like P1 and P2 tickets and troubleshooting the issues.
* Resolving the network issue and resolving IP table and SE Linux issue.

#### Education Summary:

**B.Tech** from **Visvesvaraya Technological University (Hospet)** , in the year Jun **2013**

**PLACE**: Bangalore                                                                               **(Ramya Krishna)**