Ram Anjaneyulu

DevOps AWS Linux Engineer

Email : ram555anjaneyulu@gmail.com

Phone:  +1-919-888-9069

# Professional Summary:

* **Around 5years** of information technology experience as **DevOps/Build and Release Engineer** and production support engineer , exposed to all aspects of software development life cycle (SDLC) such as Analysis, Planning, Developing, Testing and Implementing and Post-production analysis of the projects.
* Solid understanding of Software Development Life Cycle methodologies Waterfall methodology, Agile methodology and Scrum.
* Experience in AWS and Rack space cloud environment’s and also familiar with **EC2**, Cloud watch and Elastic IP’s and managing security groups on AWS.
* Excellent hands on experience on configuration management tool like **Chef, Puppet, Docker** and Ansible.
* Experience in Configuring and Integrating the Servers with different environments to automatically provisioning and creating new machines using Configuration management/provisioning tools like **CHEF** and **PUPPET**.
* Well versed with a wide range of ideas of Chef like Roles, Environments, Data Bags, Knife, Chef Server Admin and Organizations.
* Experience in development and version control of Chef Cookbooks, testing of Cookbooks and running recipes on nodes managed by on premise Chef Server.
* Strongly worked on Splunk so that the outside world would get visibility into machine data, that is generated from hardware device, networks , servers, IoT devices and other devices.
* Experience in installing and configuring an automated tool PUPPET that included installation and configuration of the Puppet master, agent nodes and an admin control workstation.
* Experience in all areas of Jenkins setting up CI for new branches, build automation, plug-in management and securing Jenkins and setting up master/slave configurations.
* Extensive experience utilizing Maven, Gradle and Ant as a Build Tool for the working of deployable ancient rarities (war and ear) from source code.
* Experience in OpenStack , on token which is an alpha-numeric string which allows access to a certain set of services depending on the access level of the user.
* Expertise working on OpenStack python SDK and on various storage location for VM images.
* Working experience on networking options which are used in **OpenStack**.
* Expertise in setting up Chef Infra, Bootstrapping Nodes, making and transferring Recipes, Node merging in **Chef SCM** and worked with information packs, characteristics, cookbooks, formulas and layouts in Chef.
* Experience in Virtualization technologies like VMware, Vagrant and worked with containerizing applications like Docker, Kubernetes.
* Experience in installing, designing and regulating Jenkins CI apparatus utilizing Chef on **AWS EC2** occurrences.
* Hands on experience in administration and implementation of CI tools Hudson, Jenkins and Bamboo for automated builds.
* Working experience on **AWS Cloud stage** and its administrations which incorporates EC2, **VPC, EBS**, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS, Auto scaling, Cloud Front, IAM and S3.
* Working experience on VMware vSphere, VCenter to Provision VMs and managed the VMs on various ESX, ESXi hosts, and AWS (EC2, S3, EBS, VPC, ELB, Route 53, Auto scaling, Security Groups) Instances.
* Experience in implementing and administering monitoring tools Nagios and Zabbix
* Experience in Branching, Merging, Tagging and maintaining the version across the environments using SCM tools Perforce, GIT, SVN and Serena Dimensions.
* Experience working with testing tool like Selenium.
* Strong Knowledge on Remedy and Bugzilla and experience in **JIRA** for tracking defects.
* Experience in scripting dialects Perl, Ruby, Shell and **Python**.
* Experience with databases **MySQL** and **MongoDB**.
* Experience in Administration of Production, Development and Test condition's conveying Windows, Ubuntu, Red Hat Linux, SUSE Linux, Centos and Solaris servers.

# Technical Skills:

|  |  |
| --- | --- |
| **Scripting Languages** | Perl, BASH, SRE, Python, Ruby |
| **Build Tools** | ANT, Maven, Gradle, Splunk, Terraform |
| **Cloud Technologies** | AWS, OpenStack, GCP, Azure |
| **Configuration Management Tools** | Puppet, Chef, Openshift, Docker, Vagrant, Ansible, Kubernetes |
| **Continuous Integration Tools** | Jenkins, Bamboo, Hudson |
| **Databases** | MySQL Server 5.1, MSSQL , MongoDB, PostgreSQL |
| **Code Analysis Tool** | Coverity, SonarQube |
| **Monitoring Tools** | Nagios, Zabbix, Splunk |
| **Web Application Tools** | Web rationale, WebSphere, Apache Tomcat, JBOSS, Nginx, LDAP, Udeploy, |
| **Version Control Tools** | Perforce, GIT, SVN, Serena Dimensions |
| **Bug Tracking Tool** | JIRA, Remedy, Bugzilla |
| **Testing Tools** | Selenium coordination with Jenkins, SDLC |
| **Virtualization Tools** | VMware vSphere, VMware VCenter |
| **Operating Systems** | Windows, Unix, Linux |
|  |  |

# Experience Summary:

AT&T, Alpharetta, GA             July 2016 To Till Present

Role: DevOps / AWS Engineer

**Responsibilities :**

* Oversaw distributed computing instrument AWS and the code in the Git (rendition controlling).
* Participated in outlining and sending a vast applications using the greater part of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, **SNS, SQS**, IAM) concentrating on high accessibility, adaptation to non-critical failure, and auto-scaling in AWS Cloud Formation.
* Experience in **JIRA** to capture, organize and prioritize issues. Experience in partially administering JIRA for issue management
* Proposed and implemented branching strategy suitable for agile development in **Git**.
* Installed and configured Jenkins for Automating Deployments and providing an automation solution.
* Integrated Subversion into Jenkins to automate the code check-out process .
* In DNS have worked on the security services for a specific network that requires reverse name resolution to make it more difficult to launch successful attacks to launch the services.
* Used Jenkins for automating Builds and Automating Deployments
* Used various plug-ins to extend the base functionality of **Jenkins** to deploy, integrate tests and display reports
* Managed the Release Communication and Co-ordination Process.
* Developed build scripts using **MAVEN** as the build tools for the creation of build artifacts like war or ear files.
* Configuration Management and source code repository management using tools like **TFS, GIT**, **Perforce, Subversion (SVN), RTC, agile tools like JIRA, scrum**, and CI tools like **TeamCity, Bamboo**, **Jenkins**.
* Maintained the Shell and Perl scripts for the automation purposes.
* Worked using **DHCP server** which can assign Ip addresses to the clients.
* Helped in preventing an unauthorized laptops from using a network that uses **DHCP** for dynamic addressing.
* Managed IAM approaches, giving access to various AWS assets, plan and refine the work processes used to allow get to.
* Managed servers on the Amazon Web Services (AWS) stage cases utilizing Puppet, **Chef** Configuration administration.
* Create implementations and oversaw sending forms by means of Linux Deployment Management System and **Puppet.**
* Utilized **Tomcat**, servers for arrangements.
* Automated OS constructs and Application Installation through Puppet and Chef.
* Used Nagios for application and equipment asset observing.
* Composed new modules in Nagios to screen assets.
* Experienced on working and getting the data into a Splunk instance via forwarders.

Environment: GIT, Ant, Maven, Jenkins, Python, Ruby, Linux, Cloud Formation Templates, EC2, S3, VPC, ELB, Route 53, Docker, Nagios, Splunk, Tomcat, Apache, Chef, Puppet, JIRA.

MetLife Somerset, NJ May 2015 to May 2016

Role: Build and Release Engineer

**Responsibilities :**

* Enabled Versioning and security for the files stored.
* Worked on Log Insight and Cloud watch services to diagnose problems and configuring alerts.
* Configured log insight to all the virtual machines where critical applications are installed. Created dash boards to various applications and monitored the logs.
* Set up and maintained auto-scaling **AWS** stacks (preferred using cloud formation and scripting).
* Built scripts using **ANT** and **MAVEN** build tools in Jenkins to move from one environment to other environments.
* Implemented continuous integration using Jenkins. Configured security to Jenkins and also added multiple nodes for continuous deployments.
* Used **Amazon Web Service's S3** (Simple storage service) data store for storing the records, prescriptions, bills etc. and accessed them using **AWS SDK** for Java utilizing **NoSQL** queries.
* Installed packages, run Cron jobs, and over-all configuration management of Linux servers using Puppet.
* Experienced in handling http requests using Nginx.
* Worked on the usage of Nginx server to deploy dynamic HTTP content on a network with using **SCGI**, WSGI application servers, fast **CGI** handlers for scripts.
* Worked on tools which are typically integrated in **DevOps** workflow like eclipse which has integration with **DevOps** platform like open shift.
* Worked on API or command line that can use to create or update a role in open shift.
* Worked on setting up class path on **Jboss EAP** open shift image.
* Used Kubernetes to simplify containerized application deployment.
* Deployed web applications using **Puppet** by developing the manifests to meet the project requirements.
* Worked on the command line tool to help administrate the federated clusters.
* Has used the command line tool for Kubernetes to controls the **Kubernetes** cluster manager.
* Wrote Puppet modules to automate configuration of a broad range of services.
* Used shell scripting to automate procedures for automated deployment in Linux based systems.
* Worked with various **scripts Shell**, **Perl** and Python for automation of various tasks.
* Used Docker machine as a virtualization between system.
* Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Used Nexus to store artifacts to limit redundancy within the automation process.
* Configured application servers like **JBOSS,** WebSphere and **Tomcat** to deploy the code.
* Participated in after hours on-call rotation to support Ops performs deployments on PROD environment.

Environment: AWS, Puppet, Jenkins, Jira, JBOSS, Tomcat, Nginx, Kubernetes, Python, Shell, Linux, Windows, Openshift, Kubernetes

HDFC BANK, India Jan 2012 to July 2014

Role: DevOps Engineer

Responsibilities:

* Designed and implemented for fully automated server build management, monitoring and deployment by using **DevOps** Technologies like **Chef.**
* Setup up and maintained automated environment using Chef Recipes and cookbooks within **AWS** environment.
* Utilized cloud providers as a direct substrate for implementation.
* Deployed and managed many servers utilizing both traditional and cloud oriented providers (**AWS**) with the **Chef** plat form configuration system.
* Worked on software build tools like Apache Maven and Apache Ant to write pom.xml and build.xml respectively.
* Installed, configured and administered CI tool Jenkins for automated builds.
* Extensively worked on Hudson, Jenkins for continuous integration and for End to End automation for all build and deployments
* Managed artifacts generated by Jenkins.
* Created scripts in **Python** which integrated with **Amazon API** to control instance operations.
* Launched **Amazon EC2 cloud** instances using Amazon Machine Images for AWS cloud.
* Created, managed and deleted users and groups as per the request using Amazon Identity and Access Management.
* Wrote playbooks for Ansible and deployed applications using Ansible.
* Used Web Logic application servers and apache tomcat web server for deployments.
* Directed, trained, Co-ordinate and supervised the duties of operations, personnel to achieve the maximum efficiency in build and release process.
* Troubleshot complex build problems, release issues and environment issues in multi component environment.

Environment: Ansible, Chef, Puppet, AWS, Ant, Maven, Jenkins, Git, Jira, WebLogic Application Server, Python, Ruby, Tomcat, Linux, Shell scripting.