**APARNA G**

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### Professional Summary:

* **Having over 3.7 Years of hands on IT experience prioritizing AWS , DevOps and involved in Automation of Configuration Management, Security, build/release management, Cloud Resource Utilization and Linux administration.**
* **Proficient in DevOps culture through CI/CD tools like Jenkins, Code Deploy, Code Pipeline.**
* Experienced with AWS Cloud platform and its features, which includes **EC2, S3, ELB, Route 53, VPC, EBS, AMI, SNS, RDS, and Cloud Watch.**
* Setup/Managing VPC, Subnets make connection between different zones.
* Setup/Managing Databases on Amazon RDS. Monitoring servers through Amazon Cloud Watch, SNS.
* Creating and Managing AMIs/Snapshots and Volumes upgrade/Downgrade AWS Resources CPU, Memory, EBS. Server's, Domain's and Database's migration on Amazon Web Services.
* Configuring topics for email and SMS in AWS simple notification services.
* Excelled on creating AMI (AWS Machine Images) that utilizes ELB (Elastic Load Balancer) and Auto Scaling.
* Setting up databases in AWS using RDS, storage using S3 buckets and configuring instance backups to S3 bucket.
* Used the AWS-CLI to suspend an AWS Lambda function. Used AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS.
* Created alarms in Cloud watch service for monitoring the server performance. Installing Red hat Linux flavor OS, Configuring and binding system with domain.
* Expertise on GIT and Jenkins Continuous Integration of Server–Installation, Configuration, Design and Administration, and integrating these tools with other systems.
* Expertise in [Continuous integration](http://www.martinfowler.com/articles/continuousIntegration.html) Tools like **Jenkins**. Simulated Jenkins CI Server system for build automation.
* Expertise in Creating automated build and release environment using Continuous Integration Tools Jenkins. Implement Master-Slave concept in Jenkins.
* Configuring Jenkins job with related plug-ins for Testing, Artifactory, and Continuous Deployment to accomplish the complete CI / CD.
* Expertise in setting up of CI/CD process in Distributed environment by defining Build plans, pipelines and workflow to achieve seamless execution of Delivery process.
* Provide assistance to clients with the implementation of configuration management, release management and process creation.
* Involved in DevOps POC’s by integrating Source controls tools, Build Tools, CI tools and CD tools to start new DevOps services in organization.
* Experience in creating containers with **Docker**.
* Extensive Good Knowledge with configuration management tool Called **Ansible**
* Automated the cloud deployments using Ansible and AWS Cloud Formation Templates.
* Configuring and managing web Server. Having good knowledge on Automation Ansible.
* Experience in Automation using Ansible. Developing playbooks and push to the Ansible server
* Create play books in Ansible using the YAML scripting syntax.
* Knowledge on python basics.

### Work Profile:

* Working as a System Analyst for **HCL TECHNOLOGIES PVT Ltd**, Chennai since Aug-2017to till date.

### Technical skills:

* Cloud Technologies : AWS(Amazon Web Services)
* Version Control Tool : Git
* Environment : Linux/Windows
* Container Technology : Docker
* Configuration Management : Ansible
* Build Environments : Maven
* Web server : Apache
* Application Server : Tomcat
* Continuous Integration : Jenkins
* Code review tool : Git

### Project Experience:

**Duration** : Jan-2019 to till date

**Role** : DevOps Engineer

**Technologies used** : AWS, Ansible, Jenkins, GIT, Maven, Linux.

**Responsibilities:**

* Involved in scheduling the automated build called Nightly Builds Simulated Jenkins CI Server system for build automation.
* Interacting with developers to sort out issues related to Build Automation Creating WAR files by using Maven.
* Creating the Jenkins Jobs. Involved in Jenkins.
* Involved in Git administration. Project involved the usage of maintaining repository and version controlling system.
* Continuous improvement of SCM process. Involved in Branching, Tagging of code delivery at required releases
* Promoting artifacts from one Environment to another Environment. Automated nightly builds for all environments and reporting mechanisms.
* Installation and Configuration of Continuous Integration Tools Jenkins.
* Configuring Jenkins job with related plug-ins for Testing, Artifactory, and Continuous Deployment to accomplish the complete CI / CD.
* Implement Master-Slave concept in Jenkins.
* Provide assistance to clients with the implementation of configuration management, release management and process creation.
* Worked on the cloud automation framework namely Ansible the included automation of certain software installation processes in the form of Basic Python code
* Configure Elastic Load Balancer (ELB) for distribution incoming application traffic across multiple EC2 instances.
* Creating ELB Load balance for EC2 Instances within in VPC, Adding instances to make online services highly available.
* Worked exclusively on making applications more scalable and highly available system in AWS (load balancing) with full automation
* Creation & management of EC2, S3, identity & Access Management Other AWS services.
* Managing Storage requirements using Amazon S3 services.
* Creating S3 Buckets and configuring Versioning and Life Cycle Management
* Configuring firewalls using security groups and route tables in AWS.
* Configure and manage Private and public subnets using VPC service.
* Creation of AMI for the Production deployment with the required software’s & Creation of Snapshot.
* Involved in Application performance monitoring with Cloud watch and Load balancing.
* User and Group Administration of creating, modifying and deleting users and groups and providing the security on user accounts and group.
* I work closely in monitoring servers in AWS environment using various monitoring tool.

**Project: 2**

**Duration** : Aug-2017 to Dec-2018

**Technologies used** : Jenkins, Maven, Linux, Tomcat

**Role** : DevOps and Build & Release Engineer

**Responsibilities:**

* Maintain Source Control branches, Control engineering team’s access to those branches from time to time depending on the release schedules.
* Maintain Continuous Integration Server, Maintain Jenkins jobs to meet the requirements of engineering team.
* Design, develop and maintain Build and Release management processes and tools.
* Responsible for Daily Backup, Scheduling of backup job, Nightly backup setup.
* Making of System/Process Automation through Shell Scripting.
* Involved in Branching, Tagging of code delivery at required releases. Adding Deleting Permissions and Customizing Branching models.
* Automated the backup the Github repository by using crontab. Developing utility scripts to effectively reduce the time and manual effort.
* Creating jar and War files using Maven. Worked Proposed and implemented branching strategy.
* Installation and troubleshooting Git related problems. Coordinating with developers and testers for Git related issues. Automated Monitoring of jobs/report runs, schedule verification.
* Part of support team member during releases, Implementations. Responsible for Daily builds, Continuous build and patch builds.
* Responsible for creating the new build setup and new projects using Jenkins
* Responsible for Software Configuration Management, Installing Software and maintaining the Build Environment using Ansible.
* Administered Maven repositories source tree and user account administration, branching, merging, patch fixes, snapshots, and training users on the systems.
* Utilized Linux Admin skills on deployment servers to make sure the servers are up and running and user, group activities.
* Responsible for continuous Integration(CI) and continuous Delivery(CD) using Jenkins.
* Periodic generation of reports on releases processed and deployments made
* Responsible for view creations and setting up of config spec according to the project requirement.
* Responsible for creation of Build directory to maintain the Build step Logs.
* Responsible for creating Labels, jobs, nodes in Jenkins. Perform the Local Build & provide the latest Baseline & Branch for the development activity.
* Tracked and deployed technical requirements in projects for the release of software
* Executed project under software release life cycle.

**Place: Aparna G**

**Date:**