**Prakash.P**

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**Professional Summary**

Having over all 4 years of experience as a **DevOps** Engineering, Maintaining and Managing Cloud (**AWS**)Infrastructure both Internal and External, Setup, build, release and configuration management, System and Linux Administration, CI/CD, Deploying and Automation of services over various environments, also supporting development and operations.

* Cloud support AWS Amazon cloud service platform and its features: **EC2, VPC, AML, SNS, EBS, Cloud watch, Cloud trail, Cloud formation AWS configuration, API Gateway, Dynamo DB, Auto scaling, Lambda, CLI, S3, IAM, RDS.**
* Developing and maintaining build, deployment scripts for test, Staging and Production environments using ANT, Maven, and Shell scripts.
* Deploying on **Jenkins** for continuous integration jobs and delivery
* Working experience on Repository Management tools **Artifactory, Nexus.**
* Exposure to the automation on both **Windows and Linux** environments.
* Expertise System Administration and Linux Administration, working on **Redhat Linux**, SUSE Linux, **CentOS**,  **Ubuntu**, **Windows** environments, and **VMware vSphere.**
* Handling the issues managing/tracking the defects status by using **JIRA** tool and Planning & resolving the issues as per SLA
* Experience in using Bug tracking tools like **JIRA and IBM Clear Quest.**
* Hand on experience in scripting for automation, and monitoring using **Shell, Bash, Python** scripts.
* Worked with **Docker Cloud, Docker UCP, Docker container snapshots, attaching to a running container, removing images, and** managing the directory structures and managing containers.
* Writing Playbooks using **Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages** to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Knowledge on **Virtualization and Containers (Docker) and Hypervisors**
* Developed Puppet modules to automate deployment, configuration and lifecycle management of key clusters.
* Strong Understanding and Knowledge in all Phases of Software Development Life Cycle **(SDLC)**, Quality Assurance Life Cycle **(QALC).**
* Software Configuration Management **(SCM)**, Continuous Integration**(CI)**, Continuous Deployment**(CD**), Release Management, Cloud Implementations and configurations.

**Technical Skills:**

Operating System: Unix,Red Hat 5/6/7,Ubuntu,Windows

Cloud services: Amazon Web Services (EC2, S3, EBS, IAM, Colud

front, Cloud Trail, Cloud watch, RDS, ElastiCache,

Route53, VPC, AWS CLI, EC2 container).

CM Tool: Chef, Puppet

Virtualization technology: Docker

Continuous Integration: Jenkins

Version Control: Git, GitHub.

Data Base: Oracle DBA, SQL SERVER, MYSQL, DB2

Others: Nagios Agile, SCRUM, Load Balancing,Nexus,

Artifactory, Sprint, Appdynamics,, Bit Bucket,

Kubernets

**Professional Experience**

**Client: The Gruden Group, Sydney, AU**

**Role: DevOps/ Cloud Engineer**

**Responsibilities:**

* Worked on migrating the **on-premise data center applications to AWS** Amazon cloud service **infrastructure Design and Architecture.**
* Worked with **Amazon IAM console to create custom users and groups.**
* Worked with various **AWS EC2 and S3 CLI tools.**
* Working on Migration of on premise data to **AWS RDS - MS SQL server and database.**
* Experience in configuring the **CloudWatch service for monitoring various AWS services.**
* Set up the scripts for **creation of new snapshots and deletion of old snapshots in AWS S3.**
* **S**etting up of **AWS Lambda** to run **Node.js** (java script) codes with response to the events created from Amazon S3 bucket resource
* Adding bucket notification configuration that identifies the event **in amazon S3** to publish and lambda function to invoke.
* Align and integrate Quality Assurance, Release Management and Deployment Automation processes and procedures to support fast paced time to market timelines, AGILE methodologies and latest cloud computing technologies like Amazon Web Services (AWS).
* Experience in Managing/Tracking the defects status by using **JIRA** tool.
* Use of Docker to manage **micro services** for development and testing.
* Worked on setting up the **new repos**, managing the **permissions for various GIT branches.**
* Worked on **creating the Python scripts for the GIT Pre-push and SVN Commit hooks.**
* Worked with development team to migrate **Ant scripts to Maven.**
* Experience with UI automation tools (**UFT**, **Selenium**).
* Worked on **Nexus repository** to maintain artifacts and used as a local repository.
* Written **Ansible Playbooks** to automate infrastructure administration (**infrastructure as code**) and deployment automation. Created playbooks to install and configure required packages to setup the environments.
* Written **Ansible playbooks** to automate provisioning and deployment process and overall do a process improvement to any manual processes in maintaining lower environment to sync with production.
* Written Maven scripts, Installed Jenkins, written shell script for end to end build and deployment automation.
* Build and Deployment Automation for Cloud based software product development and delivery. Support and Manage Cloud Based Environments for hosting Software Services.
* Setup **Maven script-based jobs in Jenkins and Worked with Jenkins Pipelines.**
* Evaluated and designed the software and the infrastructure for the company-wide private container cloud solution based on **Kubernetes**, Docker and Python.
* Build scripts using **MAVEN** build tools in Jenkins, Sonar to move from one environment to other environments and deployment into **Tomcat** Application server.
* Working closely with product engineers to prepare and automate the deployment of applications via **Docker containers**
* Worked with **Docker container snapshots, attaching to a running container, removing images, and** managing the directory structures and managing containers.
* Able to create scripts for system administration and AWS using languages such as BASH and Python.
* Worked with **UNIX** and RHEL **LINUX for enterprise environment** for the POC environment.

**Environment:** Java/J2EE, AWS, SVN, GIT, Jenkins, Maven, Nexus, Artifactory, Python, Shel, Ant, Docker, Sonar, Ansible, RHEL, CentOS**,** JIRA, Tomcat, Kubernets

**Client: Telenor, Mumbai, India**

**Role: DevOps Engineer**

**Responsibilities:**

* Proficient in using all Amazon Web Services including **EC2, EBS, IAM, S3, ELB**.
* Deploy and monitor scalable infrastructure on Amazon web services **(AWS) & configuration management using puppet.** Worked on Physical to **Cloud Migration in AWS.**
* Expertise in running applications using Elastic Bean Stalk.
* Handled content distribution and data transfer and implementing content delivery network over Amazon Cloud Front. Handled streaming and live content over Amazon Cloud Front.
* Created an AWS RDS No SQLDB cluster and connected to the database through an Amazon RDS No SQL DB Instance using the Amazon RDS Console.
* Worked on installation, configuration and **maintenance Red hat, CentOS Servers at multiple Data Centers.**
* Maintained and administered GIT source code tool. Created Branches, Labels and performed Merges in Stash and GIT.
* Developed processes, tools, automation for Jenkins based software for build system and delivering SW Builds.
* Automated the build and deployment of middleware applications using UDeploy. Conceived, Designed, Installed and Implemented CI/CD automation system
* **Installed/Configured/Managed Puppet Master/Agent.** Wrote custom Modules and Manifests, downloaded pre-written modules from puppet-forge. Upgradation or Migration of Puppet Community.
* Configuration and Administration of **Apache Web Server and SSL.**
* Developed automation scripting in**Python (core) using Puppet to deploy and manage Java applications across Linux servers.**
* Automated the build and deployment of middleware applications using UDeploy. Conceived, Designed, Installed and Implemented CI/CD automation system
* Installed and configured **JBOSS** application servers for DEV, QA and PROD systems. Deployed web and enterprise applications on JBOSS application server.
* Implemented a GIT mirror for SVN repository, which enables users to use both SVN and **GIT**.

**Environment:** GIT, Puppet, Python, Maven, AWS, VMware, Nagios, Apache Web Server, Red hat/CentOS Servers, JBOSS, EC2, EBS, IAM, S3, ELB, Bash, Chef, Docker, U Deploy

**Academic Qualifications**

* Bachelors of Computer Science Engineering  **August 2009 - June 2013**

DRK College of Engineering and Technology JNTU (Hyderabad, India)

* State Board of Intermediate Education **June 2007 - March 2009**

Sri Chaitanya Junior College (Secunderbad, India)

* Indian Certificate of Secondary Education **June 1997 – March 2007**

Siva sivani Public School

**Personal Attributes**

* Effective team work
* Exceptional time management
* Demonstrated multitasking skills
* Excellent communication skills
* Excellent skills in completing documentation
* Highly motivated and resourceful

**Profile**

Date of Birth : 02/12/1992

Marital Status : Single

Languages Know : English, Hindi and Telugu