**HAREESH KUMAR**

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### Professional Summary:

* Having over 3.3 years of experience as a **AWS, Linux Admin** and **Devops** Engineer
* Experience with configuration, maintenance of **CHEF** as a Configuration management tool & developed **Cookbooks, Recipes** to automate repetitive tasks, quickly deploy critical applications.
* Worked with **Vagrant** to automatically provision multiple virtual machines, each with their own configurations & manage them with puppet and/or chef.
* Hands on experience in Amazon web services such as **EC2, S3, Elastic Load Balancing (Classic/Application), Auto Scaling, VPC, Route53, Cloud Watch and IAM.**
* Built customized Amazon Machine Images **(AMI), deploy AMI s to multiple regions and launch EC2 instances** using these custom images**.**
* Experience in building policies for access control and user profiles using **AWS IAM, S3 controls with bucket policies.**
* Good knowledge of **Amazon EC2, Amazon S3, Amazon SimpleDB, Amazon RDS, Cloud Watch, Route 53 and** other services of the AWS**.**
* Excellent knowledge **on S3 storage strategies such as versioning, lifecycle policies, cross region replication and Glacier using command line interface (CLI) and Amazon Management Console.**
* Build and configured virtual Data center in Amazon cloud to support Enterprise hosting which includes **VPC** public, private subnets, Security groups and Route tables**.**
* Experience in building **Amazon RDS, Elastic Load Balancing** and **Auto Scaling**.
* Good knowledge in Installing, Configuring of **Puppet server-client**s and wrote Puppet Manifests to automate infrastructure.
* **Configuring** and **maintaining Ansible** Server through Playbooks and pushing them.
* Experience in deploying the code through web application servers.
* Strong use of Shell scripting languages including BASH for Linux, windows platforms.
* Good hands on to support for multiple environments and as well as communicating with different teams.
* Hands on experience in daily activities like Disk Management and User Management issues.
* Utilized **Linux Admin skills** on deployment servers to make sure the servers are up and running as expected.
* Configured IAM services creating new IAM users & groups, defining roles and policies and Identity providers.

### Work Profile:

* Currently working in **RESOURCE ONE IT SOLUTIONS PVT LTD**, Hyderabad, from Aug 2014 to till date.

**Educational Qualification:**

* Completed Graduation in BSC computer science from Satavahana University, Karimnagar, in 2014

**Technical Qualifications :**

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| --- | --- |
| CI Tools | Jenkins. |
| Servers | Apache Tomcat, IIS, nginx |
| Infrastructure as Service | AWS, Open Stack |
| Cloud/Virtualization/Containerization Services | AWS, VMware, Oracle virtual box and Docker |
| Configuration Management | Chef, Puppet, Ansible |
| Operating Systems | Linux(RHEL, Cent OS, & Ubuntu )Windows, Unix. |
| Build Tool | Maven, Ant |
| Databases | MySQL, DynamoDB |
| Version Control | Git |

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**Roles & Responsibilities** : DevOps and AWS CLOUD ENGINEER

### Responsibilities:

* Configured & Provisioned **AWS EC2** Cloud instances using **AMI**'s like (Linux/Ubuntu) and configuring the servers for specified applications using **Jenkins**.
* Worked with **EBS**, storage service **S3** and performed tasks like buckets creation, folder navigation and property changes and data migration activities.
* Involved in **configuring** and **integrating** the servers with different environments to automatically provisioning and creating new machines using CM/ Provisioning tools like **Ansible, Chef**.
* knowledge on all aspects of Chef concepts like **chef server, workstations, Nodes, chef clients** and various components like push jobs, super market etc.
* Designed, Installed and Implemented **Ansible** configuration management system.
* Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Created **AWS EC2** instances and deployed applications and delivered for QA teams to initiate performance testing.
* Setup from scratch **Continuous Integration** (CI) environments (Jenkins on ec2 over vpc) complete with automated unit testing and Code Coverage tools.
* Integrated Amazon **Cloud Watch** with Amazon EC2 instances for monitoring the log files, store them and track metrics
* Configured **IAM** services creating new IAM users & groups, defining roles and policies and Identity providers.
* Experience Build and configured virtual Data center in Amazon cloud to support Enterprise hosting which includes **VPC** public, private subnets, Security groups and Route tables**.**
* Experience configuring AWS **Cloud watch** for monitoring of instances during performance testing and also to monitor application performance on QA environments.
* Configured trigger points and alarms in Cloud watch based on pre-defined thresholds and log monitoring.
* Installation and configuration of **Web Application** servers like Apache, Tomcat and Web Logic.

**Environment :** Chef, Ansible, Jenkins, Shell script, Linux environment

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**Title: AWS Administrator**

### Responsibilities:

* Involved in designing and deploying a multitude applications utilizing almost all of the AWS (including **EC2, S3, IAM Role, Cloud Watch, VPC, and Route53**) focusing on **high availability, fault tolerance, and auto scaling.**
* Launching and configuring of **Amazon EC2 Cloud Servers** using **AMI's** (Linux/Ubuntu) Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
* Provided highly durable and available data by using **S3** data store, Versioning, Life Cycle Policies and created **AMI**s for mission critical production servers for backup**.**
* Worked with Amazon **IAM** console to create custom users and groups, assigned individual policies and roles to each groups.
* Involved/Created **Elastic Load balancing (ELB) and Auto scaling** using for failover and latency options for high availability and fault tolerance.
* Configuring the **Cloud Watch and creating Alarms for app** if the app goes down and monitor the network traffic.
* Worked with various **AWS EC2** and **S3 CLI tools**.
* Creating/Managing AMI for all the information necessary to start up and run the software in the image
* Setting up public, private networks and sub-networks using **Virtual Private Cloud** (VPC) and creating security groups to associate with the networks and it make connection between different zones and Blocking suspicious IP’s/Subnet.
* Creating the configuration for establishing a VPN tunnel between on premise network and AWS VPC.

**Environment**: EC2, VPC, IAM, EBS, S3, Cloud Watch, Cloud Formation, AMI, SNS, RDS, Route53.