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| **Vasu**  **mvasu1511@gmail.com**  Mobile: **+919581617687**  **Areas of Expertise**   * AWS Services * AWS Security * Source Code Management * Configure Management * Continuous Integration * Linux administration * Virtualization By Docker * Shell, Bash Scripts.   **Technical Skills**   * **Cloud Computing:** AWS(EC2, ELB,S3,VPC,RDS,Cloud Formation, IAM, Lambda). * **Versioning Tools:** Git, SVN. * **CI/CD Tools:** Jenkins, Ansible. * **Build Tools:** Ant, Maven. * **DevOps Tools:** Chef, Puppet, Ansible, Docker, Jenkins. * **Operating Systems:** Linux, Unix, Windows. * **Web/App Servers:** WebLogic,   ApacheTomcat, JBoss, Apache HTTP Server.   * **Tracking Tools:** JIRA, Remedy. * **Scripting:** Shell, Bash, Ruby, Python. * **Virtualization:** Docker. * **Monitoring Tools**: Nagios, Cloud Watch. * **Web Technologies:** HTML,JDBC.   **Education**   * **MCA**  from **JNTU**, **Kakinada.** |  | **DEVOPS ENGINEER**  Profile   * **3+ years** of strong experience in IT industry with broad involvement in **Configuration Management**, **Continuous Integration**, **Continuous** **Deployment**, **Release Management** and **AWS Cloud Implementations**. * Good understanding of the principles and best practices of software configuration management (**SCM**) in **Agile** and **Waterfall** methodologies. * Expertise in creating DevOps strategy in a mixed environment of Linux (**RHEL, CENTOS**) servers along with Amazon Web Services. * Experienced in core AWS services as **S3, EC2, ELB, Auto Scaling, EBS, Route53, VPC, RDS, IAM, SNS, SQS, Dynamo DB, Lambda, Glacier and** Security Practices **IAM, Cloud Watch and Cloud trial**. * Involved in supporting **cloud instances** running Linux and Windows on AWS, involvement with **Elastic IP, Security Groups and Virtual Private Cloud** in AWS. * Configured the **ELK stack** for monitoring the Open stack environment. * Configured the **ELK stack** for Jenkins logs, and syslog's and network packets using the beats plugins. * Experience on **MongoDB**, **MySQL** and expertise in managing MongoDB environment from availability, performance and scalability perspectives. * Expertise in version Control system tools.i.e., **GIT** and Subversion (**SVN**). * Utilized configuration Management & automation tools such as **Chef**. * Experience with **Jenkins/Maven** deployment and build management system. * Hands on experience in development of utilities using **Shell** and python scripting to automate processes. * Extensive experience using **Maven** and **Ant** as a Build Tool for the building of deployable artifacts (war & ear) from source code. * Experience in **Jenkins, Docker** for continuous integration and end to end automation for all build and deployments. * Experience with Server Automation and Configuration Management Tools as **Chef** and **Ansible.** * Worked with Chef Environment, Installing Workstation, Bootstrapping Nodes, setting up **Chef server**, bundling recipes into **cookbooks** and uploading them to Chef-server. * Experience with **Bug tracking** tools like **JIRA** and monitoring tools as **Nagios and Cloud Watch.** * Expertise in deploying the code through web/application servers like **Apache HTTP Server**, **Web** L**ogic**, **Web Sphere,** **Apache Tomcat**, **JBoss**.   **Professional Experience:**   * Working with Tenet Technologies, Bangalore. |

Projects:

**Client :**CGI **Dec'18–Till Date**

**Role :** Devops Engineer

**Tools :** AWS, Git, Maven, Jenkins, Chef, Docker, Apache Server,Kuberentes.

**Responsibilities:**

* Configured **IAM** to create new accounts, roles and groups. Managing IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements. Setting up the group policies using JSON.
* Configured a virtual data center in the Amazon Web services cloud to support Enterprise data warehouse hosting including **Virtual Private Cloud(VPC)**, Public and Private Subnets, Security Groups, Route Table, Elastic Load Balancer.
* Configured AWS **EC2** Instances using **AMIs** and launched instances with requirements of specific applications
* Auto-scaled instances to design cost effective, fault tolerant and highly reliable systems.
* Experience in Built **S3 buckets** configuration of **S3 versioning** and managed lifecycle policies and used S3 and Glacier for **backup** files and **archive** files.
* Managed and configured (Amazon Web Services) cloud services like **EC2**, **S3bucket**, **Security groups**, **RDS**, **EBS**,**ELB**, **Auto**-**Scaling**, **AMI**, **Elastic search**, **IAM** through AWS Console and API Integration.
* Developed Cookbooks and recipes for automating deployments using Chef and Well versed with many different concepts of a **chef** like Roles, Environments, Data Bags, knife and **chef server** Admin.
* Collection of Build metrics and its Test case metrics from Jenkins to show case as visualization in Kibana dashboard using **ELK**.
* Built Automation and Build Pipe Line Development using **Jenkins** and **Maven**. Set up build pipelines in Jenkins by using various plugins like **Maven plugin**, **EC2 plugin** etc
* Dealt with errors in **pom**.**xml** file to obtain appropriate builds using **Maven build tool**.
* Managed **Ansible Playbooks** with **Ansible roles**. Used file module in Ansible playbook to copy and remove files on remote systems.
* Experience with **Docker containers** and orchestration platforms such as **ECS** on AWS.
* Hands on experience on **Docker hub**, creating **Docker images** and handling multiple images and strong knowledge on Docker components like **Docker Engine**, **Hub**, **Machine**, Compose **Docker Registry**.
* Involved in building a web service to provide access to the models and exposed it using a **REST API** that emits **JSON**.
* Skilled in monitoring servers using **Nagios** and **Cloud watch**.
* Ability in development and execution of **XML**, **Shell**, **Python**, **Bash** and **Ruby** Scripts for merging, branching and automating the processes across the environments.

**Client :**HP **Mar’16–Nov’17**

**Role :** DevOps Engineer.

**Tools :** AWS, Git, SSIS, Docker, Jenkins, Chef, Maven, Linux,Kuberenetes.

**Responsibilities:**

* Installation, Configuration and Upgradation of **Redhat Linux, Centos, Ubuntu**.
* Worked in setting up the **AWS** environment which includes **VPC, Subnets, S3, EC2, Web Servers, IAM, Security Groups, Load Balancer & Lambda.**
* Creating public and private subnets within the **VPC** and attaching them to the **EC2 instances** based on the requirement.
* Designed **AWS Cloud Formation** for **monitoring**, **setting alarms**, notifications for EC2 hosts and templates to create custom sized **VPC**, **subnets**, **NAT** to ensure successful deployment of web applications and database templates.
* Create a new **EC2** instance in AWS, **allocate volumes** and giving Provisional using **IAM** and Creating an image of existing EC2 instance with all the required software for applications.
* Utilize **AWS CLI** to automate backups of ephemeral data-stores to **S3 buckets**, **EBS** and create nightly **AMIs** for mission critical production servers as backups.
* Extensively worked with **SSIS** tool suite, designed and created mappings using various **SSIS** transformations like Conditional Split, Lookup, Aggregator, Multicast and Lookup
* Utilize **AWS CLI** to automate backups of ephemeral data-stores to **S3 buckets**, **EBS** and create nightly **AMIs** for mission critical production servers as backups.
* Designed and developed data load jobs using **SSIS** package and scheduled in SQL Agent.
* Created Data Warehouse Cubes in SQL Server Analysis Service (**SSAS**).
* Performed **Branching**, **Tagging**, Release Activities on Version Control Tool **GIT**.
* Virtualized the servers using the **Docker** for the test environments and dev environments needs, and configuration using **Docker containers**.
* Worked with **Docker Trusted Registry** as a repository for our **Docker images** and worked with Docker container networks.
* Installed and configured an automated tool **Chef** that included the installation and configuration of the **Chef Server**, **agent nodes** and an admin control workstation.
* Implementing a CI/CD using **Jenkins** with build tool **Maven**
* Deploy through apache server as **Tomcat**.
* Worked with scripting languages ,i.e. **Shell** and **Python**.