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**BHARATH**

DevOps with AWS Engineer



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**CAREER OBJECTIVE**

Around **4.0** years of professional experience in Information Technology industry in various roles with excellent experience in Software Integration Configuration and Development for several market driven international organizations

.



**Professional Summary**

* Experienced in working as **DevOps Engineer/AWS Administrator** operations process and tools area (Continuous Integration, Configurations)
* Configuring, automating and maintaining build and deployment **CI/CD tools Git, Jenkins, Docker**, and JIRA for Multi-Environment (Local/NON-PROD/PROD) with high degrees of standardization for both infrastructure and application stack automation in **AWS cloud platform**.
* Experienced in implementing tools like **Ansible and Docker**.
* Experience in AWS services like **VPC, EC2, S3, ELB, Auto Scaling Groups (ASG), EBS, RDS, IAM, Cloud Formation, Route 53, Cloud Watch, Cloud Front, and Cloud Trail**.
* Configure, monitor and automate Amazon Web Services as well as involved in deploying the content cloud platform on Amazon Web Services using EC2, S3 and EBS.
* Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
* Created S3 buckets and maintained and utilized the policy management of S3 buckets and Glacier for storage and backup on AWS. Developed a notification system using LAMP, PHP, MVC and Amazon Web services.
* Hand on experience in delivering container based **deployments using Docker**.
* Extensive experience in setting up the **Kubernetes** for the Docker to handle cluster based containers.
* Implemented Testing environments for kubernetes and administrated the **kubernetes clusters**.
* Deployed and orchestrated the applications with Kubernetes.
* Played a key role in automating the deployments on AWS using **GitHub, Terraform, Ansible and Jenkins.**
* Experience configuring, monitoring, upgrading and maintaining systems hardware, software and related infrastructure.
* Ability in development and execution of **Python and Shell scripts.**
* Extensively worked with Version Control System GIT
* Good Knowledge with automation tools like Jenkins to implement the End-to-End Automation.
* Installation, Configuration and Management of RDBMS and NoSQL tools such as **Dynamo DB.**
* Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.



**Education**

* B.tech from Jawaharlal Technological University.



**Skills**

* Operating Systems : OEL 5.x/6.x, Red Hat Enterprise Linux 5/6/7, Windows
* Web Server : Apache ,Nginx
* Build Tools : Maven
* Version Control : Git, GitHub
* Virtualization Tools : Docker, Kubernetes
* Configuration Mgmt Tools : Ansible
* Cloud Technologies : AWS
* Continuous Integration : Jenkins
* Deployment tools : Tomcat, Apache, Nginx
* Tools : Nexus, Nagios,Jira
* Scripting Languages : Shell scripting, Python.



**Work Experience**

**september 2018 to till date  
DevOps Engineer  
TCS(payroll of E-Exchange)**

Project Name : Online Buyers and Sellers

Client : Tulsidas Lalchand General Trading Company L.L.C, UAE.

Role : Devops with AWS Engineer

Environment : Java/J2ee, Maven, Linux, GIT, Nexus, Python, Shell Scripts, Tomcat, Jenkins, Ansible, AWS EC2,docker, kubernetes.

Contribution

* Hands on involvement in Amazon Web Services (AWS) provisioning and great information on AWS administrations like EC2, Elastic Load-balancers, S3, Elastic Beanstalk, CloudFront,Elastic Filesystem,RDS,DynamoDB,VPC,DirectConnect,Route53 Cloud Watch, CloudTrail,CloudFormation, IAM.
* Launching Amazon EC2 Cloud Instances utilizing Amazon Web Services (Linux/Ubuntu) and Configuring propelled examples as for particular applications.
* Manage network security using Load balancer, Auto scaling, Security groups Extensively focused on managing existing applications and increasing scalability with AWS Load Balancing (ELB)
* Setup and build AWS infrastructure with various resources like VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.
* Configuring and Networking of Virtual Private Cloud (VPC)
* Creating S3 bucket and furthermore overseeing strategies for an S3 bucket and Utilized S3bucket and Glacier for storage and backup on AWS.
* Creating Cloud Watch alerts for instances and utilizing them in Auto-scaling launch configurations.
* Used file module in Ansible playbook to copy and remove files on remote systems.
* Utilized Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Implemented a Continuous Delivery pipeline with Docker and AWS.
* Extensive experience in setting up the Kubernetes for the Docker to handle cluster based containers.
* Implemented Testing environments for kubernetes and administrated the kubernetes clusters.
* Extensively used Docker for virtualization, Ship, Run and Deploy the application securely to fasten Build/Release Engineering.
* Evaluated Composers for Docker container orchestration.
* Experience with building containerized applications using Docker images.
* Management and design of integrated build pipelines using continuous integration workflows such as Jira, Git, Jenkins, Docker, and Nexus.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud Watch.
* Involved in configuring AWS EC2 instances on cloud platform using Ansible.
* Implemented Continuous Integration using Jenkins and GIT.
* Deployed JAVA/J2EE applications through Tomcat Application servers.
* Build pipeline design and optimization: GIT, Subversion, Maven, and Nexus for J2EE application deployments.
* 24/7 on call supports for emergency site maintenance and immediate build and install requests.

**November 2016 to September 2018  
Software Engineer  
Cognizant**

Project Name : KPIT Health

Client : Kaiser

Role : Devops Engineer

Environment : Java/J2ee, Maven, Linux, GIT, Nexus, Shell Scripts, Tomcat, Jenkins,

Ansible.

Contribution

* Implemented Continuous Integration using Jenkins and GIT.
* Configured Git to inform all the teams about the latest changes happening on it to avoid conflicts due to the push before pull issue.
* Creating new repositories and branches in existing repositories as per the requirement of the dev team.
* Managing Continuous Integration and Continuous Delivery (CI/CD) using Jenkins and release management using Sonar Qube
* Configuring the Day and Night Playbooks.
* Maintaining Regular Backups of the Logs.
* Executing the SQL scripts to pull the Users details and logs from the GE DB.
* Maintain the file permissions using shell scripts and worked on Creating, merging SVN branches and create builds.
* Responsible for maintaining Multiple DevOps tools &amp; configuring across all projects
* Subversion (SVN), GIT, Jenkins, MAVEN, Ansible.
* Support the build and deployment infrastructure used by our development teams
* Respond to high severity production issues escalated by our operations teams.
* Support developers by deploying application into Develop, test and production servers.
* Automated various tasks using Shell scripts.