AWS -DevOps & SRE

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# PROFESSIONAL SUMMARY:

Having total 2 **years** of IT experience with **AWS – DevOps & SRE Apache Webserver (Httpd), Nginx, Tomcat Application Server, Linux/Unix, Shell (BASH) Scripting.**

**SKILL SUMMARY (DevOps & AWS):**

* Implementing **CICD** process. Good in implementing pipeline as a code in Jenkins.
* Expertise in version source Management tools like **GIT**.
* Good experience using **Maven** for building java-based web applications.
* **Jenkins** jobs creation & configuration, master slaves and managing using in Jenkins.
* Hands on experience with Configuration Management Tool such as **Ansible.**
* Setting up & managing **Docker private repository** and maintaining the Containers using **Docker**.
* Participated in release level discussions and gone through the total **SDLC** and **Agile** methodology (Sprint & Scrum), so that based on the sprint we are releasing product for every 15 days & also receiving a change ticket (CR) for that.
* Expert in Cloud Technologies like Amazon Web Services **(**AWS**): VPC, EC2, AMI, IAM, S3, EBS, RDS, ELB, ROUTE53 ALB, SNS, SES, Autoscaling (ASG), CloudWatch, CloudTrail, CloudFront, ECR, ECS.**
* Securing VPC using security groups, Network Access Control List and Routing Tables. Hands-on Experience in configuration of Network architecture on AWS with **VPC, Subnets, Internet gateway, NAT, Route table.**
* Hands-on experience on monitoring tools like Prometheus, Grafana & **AWS Cloud Watch.**
* Experience in deploying the code through web/application server like **Apache Tomcat**.
* Responsible for **Prod, Dev, QA, Staging** Environments for availability & Support on-call 24/7.

# PROFESSIONAL EXPERIENCE:

* Worked as a **AWS-DevOps & SRE** in **Tata Consultancy Services**, **Bangalore** from **July 2023** to **Present**

# EDUCATION:

* + **BSC(MSCS)** from Yogi Vemana University – Kadapa, from **2020-2023 year.**

# TECHNICAL SKILLS:

|  |  |
| --- | --- |
| Global/Central/Remote/Online Repo | **GitHub**, **Bitbucket** |
| Version Control system | **GIT** |

|  |  |
| --- | --- |
| CICD Tools | **Jenkins** |
| Build tools | **Apache Maven** |
| Configuration Management | **Ansible** |
| Containerization | **Docker** |
| Micro services/Orchestration | Kubernetes(K8’s) |
| Log Analysis | AWS CloudWatch and ELK |
| Ticketing Tools | **JIRA** & ServiceNow |
| App & Web servers | **Tomcat & Apache** |
| Databases/AWS RDS services | PostgreSQL |
| Scripting Languages | **Shell (BASH)**, YAML |
| AWS CLOUD PLATFORM | VPC,Route53,ELB,ASG,EC2,S3, RDS,IAM,SNS,ECS  Cloudwatch,Cloudtrail, |
| Artifactory | **Nexus** & AWS S3 |
| Code quality (Continues inspection) | **SonarQube** |
| Operating Systems | **Linux,** Windows |
| Provisioning Tools | **Terraform** |
| Networking Protocols | TCP/IP, SSH, DNS, HTTP. |

**PROJECT DETAILS:**

|  |  |
| --- | --- |
| **Project** | **AMERICAN INSURANCE GROUP** |
| **Role** | **AWS-DEVOPS & SRE** |

## Roles & Responsibilities:

* + - Running CICD pipeline from GitLab and taking the Docker image tag ID’s as variables and version (Values) as build numbers
    - Getting python microservices codes and involving into branching strategy
    - Involving into UAT, SVT and PROD environments & Creating RBA for users
    - Creating name spaces & Checking Kubectl Pods information and logs info
    - After running the CICD pipeline, we are checking the jobs success or not.
    - Experience in build management and continuous integration tools.
    - Writing playbooks as per the requirement from the Ansible.
    - Implemented AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), Autoscaling (ASG).
    - Created alarms and notifications for EC2 instances using Cloud Watch. Installed and configured Nagios monitor tool performance on all nodes.
    - Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, Elastic Load-balancers, ALB, S3, CloudFront, EBS, RDS, VPC, Route53, CloudWatch, Cloud Trail,IAM.
    - Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
    - Writing Ansible playbooks as per the project requirement.

**Environment:** GitHub, GIT, Jenkins, Maven, Ansible, JIRA, AWS, Apache Tomcat.

## DECLARATION:

I hereby declare that all the information described above is correct and best to my knowledge, and I take responsibility for any errors due to the above description.

## Date:

**Place:** Bengaluru

**(Sasidhar)**