

# AWS -DevOps & SRE

**B Prudhvikesh**

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## PROFESSIONAL SUMMARY:

Having total 3 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 2022 to Present**

## EDUCATION:

- **B.Tech** from Audisanakara College of Engineering & Technology – Gudur, from **2018- 2022 year.**

## TECHNICAL SKILLS:

Global/Central/Remote/Online Repo	<b>GitHub, Bitbucket</b>
Version Control system	<b>GIT</b>

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

## PROJECT DETAILS:

<b>Project</b>	<b>AMERICAN INSURANCE GROUP</b> (Nov 2024 – Till)
<b>Role</b>	<b>AWS-DEVOPS &amp; SRE</b>

## 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

**(Prudhvikesh)**