

SUNIL KUMAR

AWS DEVOPS ENGINEER

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Portfolio: <https://bit.ly/3x4SCNa>

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IT Professional with around **4.6 years** of Experience in Software Development Skilled at Operating in a wide range of Platforms like **AWS, DevOps** and **Linux**. Having experience in **DevOps/AWS Software Configuration Management** which includes **Build Automation, Continues Integration, Continues Deployment, Continues Testing** and **Continues monitoring** using **Automation Tools**, I'm an obsessed tech enthusiast actively working to establish an impressive AWS and DevOps home lab, where I can continuously enhance my skills and stay at the forefront of emerging technologies.

PROFESSIONAL SUMMARY

- Experienced DevOps Engineer Proficient in **Linux, Git, Maven, Jenkins, SonarQube, Nexus, AWS, Docker, Ansible**, and **Kubernetes**.
- Setup /Managing Linux servers on Amazon Cloud (**EC2, VPC, ELB, IAM, S3, AMI, Route 53, Security Groups, Cloud Watch, AWS Lambda, Amazon Elastic Kubernetes Service (Amazon EKS)**).
- Expertise in DevOps, Configuration Management, Cloud Infrastructure, Automation it includes **Amazon Web Service (AWS), Jenkins, Git, Maven** etc.
- Proficient in managing builds and deployments across development, staging, and **Production**.
- Strong **GIT** and **CI/CD** expertise, Linux admin skills for automation.
- Experience in **branching, tagging** and **maintaining** the version across the environments working on Source code management tool using **Git**
- Used **Maven** and maintained **Nexus**, and **Apache Tomcat**.
- Proficient in using **SonarQube** and **Ansible** for DevOps setup, with experience in code quality analysis and automation tasks
- Utilized **Docker** and **Kubernetes** for application deployment, gaining practical experience in containerization and orchestration. Configured AWS environments for application hosting and implemented **backup solutions**.
- Creating **Snapshots** and **Amazon machine images (AMIs)** of the instances for backup and creating clone instances.
- Utilized **Cloud Watch** to monitor resources such as **EC2, Amazon RDS services, EBS volumes**, to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system.
- Setting up databases in AWS using **RDS** service, storage using **S3** buckets and configuring instance backup to S3 bucket.
- Good Experience in **Server Configurations** and **Installations** and **Modifications**.
- Experienced in implementing and managing **ELK (Elasticsearch, Logstash, Kibana)** stack solutions, adept at leveraging these tools to streamline log management, monitoring, and data visualization processes
- Automated routine tasks with **Ansible, shell scripting**, and **Python**, reducing errors and streamlining DevOps processes to enhance operational efficiency.
- Hands-on experience with Amazon Elastic Container Service (**ECS**) for orchestrating containerized applications and **Amazon Elastic Container Registry (ECR)** for managing Docker images effectively
- Experienced in designing and implementing serverless architectures using **AWS Lambda** functions and **RESTful APIs** for efficient and scalable solutions

SKILLS

Version Control Tool	Git, GitHub
Containerization Tool	Docker
Orchestration Tool	Kubernetes, Helm
GitOps Tool	ArgoCD
Infrastructure automation	Terraform
Configuration Management	Ansible
CI / CD Tool	Jenkins
Artifactory Server	Nexus
Monitoring Tools	ELK, Prometheus, Grafana
Code Coverage Tool	SonarQube
Build Management Tool	Maven
Ticketing Tool	Jira, Zendesk
Scripting Language	Shell Scripting, Python, Groovy
Cloud Technology	AWS (EC2, S3, R53, RDS, ECS, EKS, ECR, VPC, ELB/ASG, CD/CP, EFS, SNS/SQS, IAM, CloudWatch/Tail, Lambda)

WORK EXPERIENCE

Organization: Cognizant Technology Solutions

- Worked as AWS DevOps Engineer from 2018 Oct to April 2023

PROJECTS

Project name : Viacom

Role : DevOps Engineer

Environment : Linux, Git, Jenkins, Python, Docker, SonarQube, Nexus, Terraform, Kubernetes, Grafana, AWS

Description : This is the consumer division of financial services multinational group. It deals with administration and monetization of intellectual property assets through licensing agreements and royalty payments.

Roles and Responsibilities:

- Integrate code quality tools like SonarQube.
- Integrate Nexus tool for artifact management.
- Create a dashboard using Grafana for monitoring.
- Prepare high-level documentation explaining installation and configuration.
- Support engagements to fix P1 issues during critical deliveries/releases.
- Create GitLab webhooks for automating Jenkins jobs.
- Use JIRA tool for ticket tracking.

- Mentor freshers/new joiners in the team.
- Perform regular builds and deployments of packages for testing in different environments (Dev and UAT).
- Team up to pinpoint issues and secure stable solutions for a reliable system.
- Maintain source code in Git.
- Create/manage AMI/Snapshots/Volumes, upgrade/downgrade AWS resources (CPU, Memory, EBS).
- ELK stack for log management and analysis, enhancing monitoring and troubleshooting capabilities

PROJECTS

Project name: Viacom

Role : DevOps Engineer

Environment : Linux, Git, Maven, SonarQube, Nexus, Terraform, Jenkins, Tomcat, Ansible, AWS,

Description : This is the consumer division of financial services multinational group. It mainly works on the intellectual property domain.

Roles and Responsibilities:

- Creation of a new CI/CD pipeline from scratch to deploy a script to production.
- Automated start and stop of AWS Ec2 instances using shell script.
- AWS Infrastructure Management.
- Creating/managing AMI/Snapshots/Volumes, upgrading/downgrading AWS resources (CPU, Memory, EBS).
- Using Maven for building the projects.
- Maintaining build artifacts on Sonatype Nexus.
- Using Terraform to provision resources.
- Integration of tools like SonarQube.
- Adding a Linux VM as an agent for running pipelines.
- Provisioning AWS VMs using Terraform.
- Defined branching and merging strategies on GitHub.
- Authenticating and authorizing users on Jenkins as per their responsibilities.
- Involved in active Scrum calls every day as part of the agile process.
- Used Jira/Zendesk as a ticketing tool.
- Scheduled and participated in production bug calls and scheduled hotfix deployments, swiftly resolving issues to minimize downtime.
- Teamed up to pinpoint issues and secure stable solutions for a reliable system.

EDUCATION

Alagappa university

Master of Science in Computer Science | 2022