

# TRUPTI SANJAY KOKARE

## DEVOPS ENGINEER

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### Professional Summary

- A dynamic and professional Software Engineer with over 3+ years of experience in AWS cloud services, and devops ideology.
- Good experience in AWS cloud and its service such as EC2, VPC, S3, ROUTE 53, IAM, CLOUD FRONT, CLOUDWATCH, CLOUD TRAIL, SNS.
- Good Experience in Software development Life cycle (SDLC) and Agile Methodology.
- Experience in Build Tool which is Maven.
- Experience on Git and GitHub.
- Created multiple jobs in Jenkins and have knowledge in creating slaves, credential management. Also implemented multi-branch Jenkins pipeline and blue ocean.
- Worked on Docker containers, created docker files also worked with docker compose.
- Worked with Ansible as a configuration management tool.
- Good experience in Shell scripting, Jenkins declarative pipeline and YAML
- Experience on Linux commands and Linux OS.
- Worked on application and network load balancers, created target groups, configured targets.
- Used spot instances for Auto scaling groups.
- Added load balancer setup under Auto scaling and applied auto scaling policies to make sure 100% availability of the ENV.
- Created multiple launch configurations as per requirements.
- Have complete knowledge regarding S3 buckets as well as AWS CLI with regards to S3.
- Worked on S3 bucket replication and S3 bucket lifecycle to make sure data lifecycle is optimal.
- Managed user access with IAM, created various groups, used various AWS policies for granular access. Also worked on creating roles to manage project specific tasks.
- Worked on Cloud front with S3 and Load balancers
- Complete hands-on experience with cloud watch, done application log monitoring as well as EC2 health monitoring, created own dashboards for better view.
- Used route 53 for DNS management, traffic management, and health checks.

### Technical skills

|                          |   |
|--------------------------|---|
| Cloud Environment        | Amazon Web Services (AWS)-EC2, VPC, S3, IAM, Route 53, CloudFront, SNS, RDS |
| Containerization Tools   | Docker, Docker-Compose, Kubernetes  |
| Configuration Management | Ansible   |
| Continuous Integration   | Jenkins   |
| Build tools              | Maven, Composer, npm  |
| Version Control          | Git, Bitbucket  |
| Monitoring tools         | Cloud watch and CloudTrail  |
| Ticketing tools          | click up  |
| Web servers              | Apache, Tomcat, Nginx   |
| Languages                | Groovy, Yamal   |
| Operating Systems        | RedHat, CentOS, Ubuntu & Windows  |

|            |  |
|------------|--|
| Databases  | MongoDB, MySQL, PostgreSQL, MSSQL        |
| Networking | HTTP, HTTPS, TCP/IP, DNS, FTP, SSH, SMTP |

## Work Experience

### Dhwani Rural Information & technology

01-SEPT-2022 to Present

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#### Key Projects:

#### 1. Data Collection Website - [smartnew.techmahindrafoundation.org](http://smartnew.techmahindrafoundation.org) and E-commerce Website - bigbasket

Below are the services and automation tools used during the project

- Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
- Used EC2, Auto-scaling and VPC to build secure, for highly scalable and flexible systems that handled expected and unexpected load bursts.
- Used Amazon Route53 to manage DNS zones and give public DNS names to elastic load balancers (ELB).
- Implemented S3 versioning and lifecycle policies, backup files and archive files in Glacier.
- Responsible for design and maintenance of the Git repositories, views, and the access control strategies and Managed Git repositories for branching, merging, and tagging.
- Implemented AWS solutions using EC2, S3, RDS, EBS, and Elastic Load Balancer, Auto-scaling groups, Optimized volumes and EC2 instances.
- Integrated GIT into Jenkins to automate the code checkout the process.
- Installed and configured Jenkins for Automating Deployments and providing automation solution.
- Involved in DevOps migration/automation processes for build and deploy systems.
- Responsible for day to day Build and deployments in pre-production and production environments.
- Used Git for Developers helping to resolve all Build issues like merge conflicts, compilation errors, missing dependencies, Branching/Merging/Tagging.
- Implemented & Maintained the Branching and Build/Release strategies utilizing GIT source code management.
- Experience in using Git Webhooks and Poll SCM with Jenkins to automate Jenkins tasks and responsible for writing groovy scripts for Jenkins pipelines.
- Responsible for installing Jenkins master and slave nodes. Configured Git with Jenkins and schedule jobs using POLL SCM option.
- Evaluated Docker container technology to replace some virtual environments.
- Virtualized the servers using the Docker for the test environments and dev-environment needs.
- Webserver and Application Server maintenance and upgrade whenever required.
- Database Management with the Help of RDS, creating read replicas, hosting database instances.
- Creating S3 Buckets and implementing object lifecycle.
- Designing and implementing CI system: configuring Jenkins servers, Jenkins nodes.
- Responsible for User Management, Administration, Group Management, Slave Management, new job setup in Jenkins
- Management of Users and Groups and troubleshoot client spec issues and user issues.

#### 2. Ansible User Management and Key Distribution

- Designed and implemented an Ansible playbook for user management on multiple slave servers.
- Designed and implemented an Ansible playbook for user management on multiple slave servers.
- Automated the process of creating user accounts and distributing their public keys.
- Automated the process of deleting user accounts and removing their public keys.
- Implemented a solution to store user logs to an Amazon S3 bucket, Monitored and managed the log storage process, ensuring high availability and proper data retention.
- Utilized Ansible modules to securely manage user authentication and access control.

- Integrated with Bitbucket to retrieve and deploy users' public keys for seamless access to the server environment.
- Improved security and efficiency by eliminating manual user management tasks.
- Collaborated with a cross-functional team to ensure smooth deployment and adherence to project timelines.
- Documented the Ansible playbook and provided comprehensive instructions for future maintenance and updates.

## Yash technologies Limited

03-FEB-2020 to 31-AUG 2022

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### Key Projects:

#### 1. Spectre.ai blockchain-based trading, Client: Spectre.ai, USA , Domain: Investment Banking

- Analyzing & validating the completeness of business requirements.
- Maintenance of QA and UAT env.
- Deploying daily builds on VMs hosted in AWS cloud.
- Management of VPC and other AWS services.
- Creating IAM roles and policies for multiple users and services.
- Monitoring Envs as well as application with the help of CW.
- Webserver and Application Server maintenance and upgrade whenever required.
- Database Management with the Help of RDS, creating read replicas, hosting database instances.
- Creating S3 Buckets and implementing object lifecycle.
- Attaching EBS and EFS volumes to EC2 instances.
- Managing source code with GIT by creating branches, tags etc and GIT-HUB.
- Managing Jenkins and creating jobs as per requirement.
- Worked with Build tools like Maven.
- Creating Docker containers and deploying application on it.
- Configuration management with the help of Ansible
- Artifactory management.
- VM monitoring, application log monitoring.
- Co-ordinating with various teams such as DEV, QA, UAT, Performance, DB support teams for resolving day to day issues and in case of any critical issues reported.

### Education

Master of Business Administration (MBA)

Pune University, Pune

Bachelor of Engineering (BE)

Shivaji University, Kolhapur

### Personal Details

Date of Birth: 08th July

Language Known: Marathi, English, and Hindi

Current Address: New Palam Vihar, Gurgaon

Date: 21 September 2023

Place: Gurgaon

TRUPTI SANJAY KOKARE