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## **Minal Yawale**

## **DevOps Engineer || Cloud Engineer || AWS Engineer**

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## **Career Objective:**

Overall, 6+ years of experience offering outstanding services in **IT industry** with strong background in **Linux Administration**, **Build & Release**, **DevOps & AWS Cloud** Infrastructure, and knowledge of different practices including but not limited to **Configuration Management, Git, Mavens, Ansible, Chef, Puppet, Containerization, Continuous Integration** and **Continuous Delivery, Change Automation and Orchestration.**

**Professional Summary:**

* Strong expertise on System administration and implementing DevOps tools like Ansible and puppet for Continuous Integration and Continuous Deployment with build tools using Jenkins, Bamboo, Maven on Cloud Infrastructure using AWS and Azure and on-premises virtualization using VMware.
* Experience in administrating, configuring, managing Red Hat distributions and Virtualization with VMware vSphere ESXi 5.x/4.x, vCenter 5.x/4. x.
* Implemented on click deployment using Ansible, AWS and implemented a completely elastic and scalable infrastructure in the cloud using Jenkins, Ansible.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications.
* Kubernetes manifest files and releases of Helm packages.
* Experience in working on DevOps/Agile operations process and tools are (Unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* Experience in Virtualization technologies like VMware, Vagrant and worked with containerizing applications like Docker, Kubernetes.
* Experienced in Using Jenkins pipelines to drive all Microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Scalability benchmarking with MongoDB and NoSQL database.
* Experienced with setting up CI/CD pipeline using Atlassian tools-Bitbucket, JIRA, Bamboo, Confluence and Fisheye.
* Experience in managing and maintaining IAM policies for organizations in AWS to define groups, create users, assign roles and define rules for role-based access to AWS resources.
* Proficient in using all amazon web services like EC2, EBS, IAM, S3, ELB, RDS, VPC, ROUTE 53, Cloud Watch, Kinesis, KMS, Cloud Formation Templates.
* Experience in Prometheus and Grafana for monitoring the applications.
* Worked for 5 scrum teams (Java, AEM, Jenkins, Ant, Maven, SVN, git, Agile methodology, cucumber scripts, sonar, XL Deploy and XL Release, SharePoint, CI/CD automation from scratch, Docker)
* Experience in Log Insight and Cloud Watch services to diagnose problems and configuring alerts.
* Configured the XL Deploy and XL Release for all the applications from scratch, once the build package is available, then promoted with simple enable options to deploy in the targeted servers.
* Hands on experience in setting up database in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.
* Assigned RBAC policies Confidential group level and user level as per the LTA created for the services implemented new (Automation account, scheduler, notification hub, IOT Hubs, Batch and other services)
* GIT and GIT Hub experience in a collaborative development environment.
* Coordinate/assist developers with establishing and applying appropriate branching, labelling/naming conventions using GIT and Subversion (SVN) source control and to migrate from SVN.
* Experienced in troubleshooting experience on Ansible related implementation and playbook executions.
* Used Chocolatey to create packages of required application and automate deployment of packages by writing YAML modules in Puppet hiera.
* Extensively worked on Jenkins and Bamboo for Continuous Integration, Cloud SDK Integration and for End-to-End automation for all build and deployments.
* Excellent Communication, Analytical skills and Interpersonal skills. Exceptional ability in mentoring team members, learning new concepts and self-motivated.

**Technical Skills:**

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| **Cloud Computing** | AWS (EC2, IAM, Elastic Beanstalk, and Elastic load balancer (ELB), S3, RDS, (MYSQL), Glacier, Route 53, VPC, etc.), Azure DevOps |
| **Source Control Tool** | GIT, GITHUB, Bitbucket, Subversion |
| **CI/CD Tools** | Jenkins, Bamboo, Ansible, Chef, Puppet, Docker, Terraform |
| **Repositories** | Nexus, Artifactory, Docker Hub |
| **Languages** | Python Scripting, Perl Scripting, Shell Scripting, Java, Bash, Ruby |
| **Web Servers** | WebLogic, WebSphere, Apache Tomcat |
| **Virtualization** | VMware, vSphere 5.0, 5.5 |
| **Tracking Tools** | Jira, Remedy, ServiceNow |
| **Build Tools** | ANT, MAVEN, GRADLE |
| **Databases** | Oracle, SQL SERVER, MYSQL |
| **Monitoring Tools** | Nagios, Cloud Watch, Splunk, Prometheus and Grafana |
| **Networking/Protocols** | DNS, TCP/IP/ FTP, HTTP, SSH, SFTP, SCP, SSL, ARP, DHCP |
| **Operating Systems** | Sun Solaris 7, 8, 9 & 10 Linux (Red Hat 5.x, 6.x,7. X, SUSE Linux 10), AIX VMware ESX, Windows NT/2000/2003/2012, Centos, Ubuntu. |

**Education:**

**Bachelor in computer Science**

**Certifications:**

* Oracle Cloud Infrastructure 2022 Foundations Associate
* Oracle Database Administration 2019 Certified Professional (19c)
* Certified SAFe® 5 Scrum Master
* PMI-Agile Certified Practitioner (PMI-ACP)

**Professional Experience:**

**Client: Unisys, Blue bell, PA November 2021- Till Date**

**Role: Cloud DevOps Engineer**

**Responsibilities:**

* Created AWS Cloud Formation templates to create custom-sized VPC, Subnets, EC2 instances, ELB, Security Groups. Worked on tagging standard for proper identification and ownership of EC2 instances and other AWS Services like CloudFront, CloudWatch, RDS, ELB, EBS, S3, Route53, SNS, SQS, KMS, CloudTrail.
* Created AWSRoute53 to route traffic between different regions and configure AWSIAM and Security Groups in Public and Private Subnets in VPC.
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on AWS cloud.
* Involved in end-to-end migration plan for migrating 3500 Linux/Windows servers and 1500 applications into the AWS cloud using AWS Data Pipeline.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Migrated several Java Batch Applications and Services from the On-premises infrastructure to AWS Cloud and Migrated the Java REST API built on the Drop Wizard framework to AWS cloud platform.
* Designed User Defined Routes with custom route tables for specific cases to force tunneling to the Internet via On-premises network and control use of virtual appliances in the customer& Azure environment.
* Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, Python, Ruby.
* Worked on Terraform for automating VPCs, ELBs, security groups, SQS queues, S3 buckets, and continuing to replace the rest of our infrastructure. Using Terraform as a tool, managed different infrastructure resources Cloud, VMware, Bare Metal Servers, and Docker containers.
* Written Terraform templates, Chef cookbooks pushed them onto Chef for configuring EC2 Instances and Solved Gateway time issue on ELB and moved all the logs to S3 Bucket by using Terraform.
* Skilled in monitoring servers using CloudWatch, Prometheus and Grafana
* Experienced is using Tomcat, WebLogic, and WebSphere Application servers for deployments.
* Involved in integrating the GIT into the Puppet to ensure the integrity of applications by creating Production, Development, Test, and Release Branches.
* Involved in writing Chef Cookbooks and Recipes to automate the deployment process and to integrating Chef Cookbooks into Jenkins jobs for CD framework.
* Used Microservices architecture, with Spring Boot based services interacting through a combination of REST and Spring Boot.
* Developed Perl and shell scripts for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.

**Environment:** AWS (EC2, S3, ELB, Autoscaling Servers, SNS, SQS, Route53, CloudWatch, CloudFront,

CloudFront, IAM), Azure, Kubernetes, Docker, Ansible Tower, Jenkins, ANT, MAVEN, Nagios, Ruby, YAML,

Terraform, PowerShell, GIT, Subversion, JIRA, Artifactory.

**Client: Biogen, Cambridge, MA January 2020 – October 2021**

**Role: DevOps Engineer**

**Responsibilities:**

* Involving in Implementation of various AWS cloud Application & deployments using Amazon EC2, S3, RDS(MySQL), Elastic Load Balancing (ELB), Auto scaling, Cloud Front, Elastic Block Storage (EBS), Elastic Beanstalk, Cloud Watch, Identity Access Management (IAM), Implementing Virtual cloud platforms using Amazon Virtual Private Cloud (VPC), Cloud Formations, LAMDA.
* Design and Develop Ansible playbooks for the purposes of automating application deployments, system and middleware configuration management, performance and health monitoring.
* Implemented CI/CD pipeline and Automation to design AWS Infrastructure via usage of Git, Ansible, Azure DevOps
* Creation of IAM groups, users, and policy documents in AWS for Identity and Access Management using ansible.
* Involved in quarterly patching to Solaris and Linux Servers and maintain server level administration for DevOps Tools siting in the client Environment (Dev, Pre-Prod, Prod).
* Installation of Ansible Tower and setting up from scratch and maintain user management structure for client customers.
* Implemented Ansible Playbooks to create Infrastructure from scratch on AWS for WebLogic, WebSphere and Web Focus Environments and successfully integrated in Ansible Tower.
* Strong knowledge and experience on AWS, specifically in Lambda, IAM, API Gateway, DynamoDB, Cognito, S3, CloudFront, VPC, EC2.
* Experience with containerization technologies, including Docker, Kubernetes.
* Manage Atlassian tools of DevOps Environment in Dev, Prod Environments to full-fill customer needs.
* Experienced in successful lift and shift of existing on-premises application on AWS.
* Focusing on high-availability, fault tolerance and auto-scaling in cloud formation. Creating snapshots and Amazon machine images (AMIs) of the instances for backup and creating clone instances.
* Expertise in creating DevOps strategy in a mix environment of Linux (RHEL, CENTOS and UBUNTU) servers along with Amazon Web Services (AWS).
* Installing, configuring, and administering Jenkins Continuous Integration (CI) tool on Linux machines along with adding/updating plugins such as SVN, GIT, Maven, ANT, Puppet etc.,
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using GIT source control and analyzed and resolved conflicts related to merging of source code for GIT.
* Experience implementing and orchestrating containers such as Docker, Kubernetes
* Worked on Creating Monitoring Templates and automating the Deployment of Templates on Cloud Servers to monitor using SolarWinds.
* Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugin to automate continuous build and publishing Docker images to Docker Hub.
* Responsible for installing Jenkins master and slave nodes and involved in plugin GIT and schedule jobs sing poll SCM option and creating the builds scripts using Maven for Java projects.
* Used Jenkins innovatively to automate build related tasks. Improved throughput and efficiency of build system by providing customers right to trigger required builds.
* Build Terraform Scripts to automate deployments of Azure VM in our Infrastructure.
* Wrote shell, Bash, python, Perl and ruby scripts for day-to-day administrative tasks and for managing users.
* Create and Implement Change Requests via Remedy, JIRA for Automated Deployments and Upgrades for Dev, QA, Prod Applications.
* Used Splunk APM for log aggregation and analysis on different application servers.

**Environment:** Linux (RHEL 6.x/7), AWS, Ansible, Kubernetes, Terraform, Azure, Jenkins, Maven, WebLogic 11/12, WebSphere 8.5.5, Mongo, MySQL, SolarWinds, Shell Scripting, Python, Git, Maven, Bamboo, VMware ESX 2.x & 3.x.

**Client: Anthem, Indianapolis, IN June 2017– December 2019**

**Role: AWS DevOps Engineer**

**Responsibilities:**

* Involved in Migration of on-premises data center applications to AWS.
* Worked with Amazon IAM console to create custom users and groups. Launched Various AWS EC2 instances with different instance types on various Subnets and S3buckets CLI tools.
* Experienced on Migration of on-premises data to AWS RDS - MS SQL server and database.
* Experienced in configuring the CloudWatch service for monitoring various AWS services.
* Set up the scripts for creation of new snapshots and deletion of old snapshots in AWS S3.
* Adding bucket notification configuration that identifies the event in Amazon S3 to publish and lambda function to invoke.
* Setup Docker to automate container deployment through Jenkins and Dealt with Docker Hub, making Docker Images and taking care of various Images essentially for middleware establishments.
* Expert on setting up the new repos, managing the permissions for various Bitbucket branches.
* Worked on creating the Python scripts for the Bitbucket Pre-push and SVN Commit hooks.
* Worked on Nexus repository to maintain artifacts and used as a local repository.
* Server level Configuration Management via Ansible.
* Expertise in Configuration of Ansible Tower, which provides a dashboard and role-based access control, so that it's easier to allow individual teams access to use Ansible for their deployments.
* Wrote Ansible Playbooks with YAML to automate infrastructure administration (infrastructure as code) and deployment automation. Created Playbooks to install and configure required packages to setup the environments.
* Created Ansible playbooks to automate application pre-requisites and configuration such as kernel Parameters, application accounts and groups.
* Worked with Agile practices using CI/CD pipelines, with Jenkins (Continuous Integration), Nexus for Maven Repository, Maven Builds, Artifactory, Junit testing, Puppet module tests and deployments using multiple Jenkins plugins.
* Developed CI/CD system with Jenkins on Google's Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy.
* Involved in Configuring, automation and maintaining build and deployment CI/CD tools Git/GitLab, Jenkins, Bit Bucket, Docker registry/daemon, Kubernetes, Nexus, and JIRA for Multi-Environment.
* Managed all the bugs and changes into a production environment using the Jira tracking tool.

**Environments:** AWS resources (EC2, S3, IAM, RDS, DynamoDB, SQS, SNS code pipeline and code deploy) Bamboo, Bitbucket, Kubernetes, Chef, Artifactory, Ruby, Shell, Bash, Jira, AppDynamics.