**Bhaskar Nalamasa   
Sr. DevOps Engineer  
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**PROFESSIONAL SUMMARY**

* Having around 9 Years of experience as Linux Admin, Build & Release/ DevOps Engineer with AWS Cloud platform experience with mentoring skills and good understanding of the principles and best practices of Supply Chain Management in Agile, Scrum methodologies.
* Experience with Container based deployments by using Docker. Expert in using Docker Engine, Docker Hub, Docker Registries and building Docker Images at root of the repository.
* Experienced in using Ansible as a configuration management tool and developed Ansible Playbooks to provision Apache Web servers, Tomcat servers, Nginx and other applications.
* Experience in AWS provisioning and services like Cloudfront, Lambda, EC2, S3, Cloudformation and Linux Virtual EC2 instances using AWS Amazon Web services.
* Deployed Azure resource manager based resources.
* Experience in authoring custom Terraform Scripts to automate the deployments.
* Extensive experience in Server infrastructure development on AWS Cloud by using AWS services like EC2, ECS, EBS, ELB, Lambda, S3, RDS, Glacier, DynamoDB, VPC, Route53, CloudWatch, CloudFormation, IAM, Certificate Manager, SNS and Auto Scaling in a scalable production environment.
* Implemented Security in Web Applications using Azure and deployed Web Applications to Azure.
* Proficient in structuring, creating and keeping up UI for Single Page Applications (SPA) utilizing AngularJS MVC Framework, and react.js in start - up, monetary training.
* Hands on experience in Installing, Configuring of Puppet server-clients and wrote Puppet Manifests to automate infrastructure.
* Experience in Setting up the build and deployment automation for Terraform scripts using Jenkins.
* Familiar using Dependency Visualization in Azure migrate for deep analysis and identify application dependencies.
* Migrated Linux virtual machines from one vCenter to other for Soft Layer Project. prototype CI/CD s ystem with GitLab on GKE utilizing kubernetes and Docker for the runtime environment for the CI/CD systems to build and test and deploy.
* Experience in managing Chef as Configuration management tool by developing Chef CookBooks and Recipes.
* Did pilot migration of Dev/Test workloads via lift & shift to Azure using Azure Site Recovery.
* Experience at automating the release process of products using shell scripts with tools like Apache Ant and Maven.
* Expertise in configuring Log monitoring tools like ELK (Elasticsearch, LogStash & Kibana), Nagios, Filebeat and Grafana to monitor logs of applications in prod and non-prod.
* Worked with code quality tools like SonarQube to find if there are issues in the code by setting Quality Gates, Quality Profiles and Quality Rules.
* Experience in setup and maintained entire Jenkins, Bitbucket and Bamboo for continuous integration and continuous deployment (CI/CD) for End to End automation for all build and deployments.
* Integrated Jenkins with tools like Git (Repository), Maven (Build tool), SonarQube (code verification), Nexus (Artifactory) and implementing CI/CD automation for creating Jenkins pipelines programmatically.
* Expertise in trouble shooting the problems generated while building, deploying in a multi-component environment and as part of production release support.
* Expert level knowledge on Cloud AWS.
* Worked with Vagrant to automatically provision multiple virtual machines.
* Expertise in using AWS Identity Access Management (IAM) to provide access for users in different environments. Skillful in infrastructure automation by using AWS services like Elastic Bean Stalk and CloudFormation.
* Ability in development and execution of Shell scripts and Python Scripts to automate the administrative tasks.
* Expertise in branching, tagging and maintaining the version across the environments by using Source Code Management tools like Bitbucket, GitHub and Version control tools like GIT, Apache Subversion (SVN).
* Extensively worked on administrating tools like Jenkins, Bamboo for leveraging continuous integration and continuous delivery processes for service development.
* Deployed and managed many servers utilizing both traditional and cloud oriented providers like VMware and Amazon EC2.

**TECHNICAL SKILLS:**

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| **Operating Systems** | Redhat, Ubuntu, Linux and WINDOWS |
| **Cloud Platform** | AWS, terraform |
| **Build Tools** | ANT, MAVEN, Code Deploy |
| **Scripting** | Shell, Python, PHP, SQL and Bash |
| **Database** | DB2, MySQL, Oracle, Teradata, SQL Server |
| **Configuration Management** | Chef, Puppet, Ansible, Docker, AWS OPS Works |
| **Virtualization Tool** | VMware, Vagrant |
| **Version Control Tools** | Subversion (SVN), GIT, GIT Hub |
| **Software Methodologies (SDLC)** | Agile, scrum |

**PROFESSIONAL EXPERIENCE  
Bank of America, Norfolk, VA**

**Sr. DevOps Engineer February 2022 to Present**

**Responsibilities:**

* Created, tested and deployed an End-to-End CICD pipeline for various applications using Jenkins as the main Integration server for Dev, QA, Staging, UAT and Prod Environments.
* Experience is setting up monitoring of operational and performance metrics of our AWS resources and web applications using CloudWatch and Nagios.
* Experienced as a results and quality driven Configuration Management with demonstrated success in the development, release and deployment of multiple products in Supply Chain Management and Service Industries.
* Validated information in the schedule with supply chain updates
* Managed AWS infrastructure as code using Terraform.
* Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
* Used Terraform scripts to Automate Instances for Manual Instances that were launched before.
* Experience in using CloudFormation Templates to provision and auto deploy EC2 Instances and Integrated with Chef Recipes to deploy the HRMS Web applications.
* Experience Creating a contact Centre using Amazon Connect, Amazon Lex, and Amazon Polly.
* Experience building Chat bot with Amazon Lex.
* Incorporated AWS native DevOps services to support development and deployment: Git, Code Build, Code Deploy, CodePipleline and Cloudformation/Cloud Development Kit (CDK).
* Used Kubernetes and Docker for building and containerizing the CI/CD application to deploy on cloud and managed container replicas on node clusters using Kubernetes.
* Involved in using Terraform migrate legacy and monolithic systems to Amazon Web Services.
* Setting up the build and deployment automation for Terraform scripts using Jenkins.
* Built servers using AWS by launching auto-scaling, creating security groups, importing volumes, RDS, Elastic load balancers (ELBs) in the defined VPC. Created S3 buckets, utilized and maintained the policy management of S3 buckets and glacier for storage and backup on AWS.
* Performed - working on CI and CD platform as DevOps Engineer.
* Designed and created the new infrastructure in AWS environments by building AWS Cloud Formation nested stacks from the resources VPC, Auto-scaling, S3, RDS, IAM, Route53, EBS, Cloud Watch, SNS, Security Group, Cloud Front
* Configured Network security groups to control inbound and outbound traffic to the internal network Interfaces, configured subnets in various areas for high availability and security.
* Developed build and deployment scripts using Maven as build tool in Bitbucket to move from one environment to other environments.
* Developed single page applications using AWS CDK & jQuery, JavaScript, NodeJS, HTML &amp; CSS for styling
* Configured Jenkins to implement nightly builds on daily basis and generated change log that includes changes and shifted to Bitbucket for enterprise scale infrastructure configuration and application deployments happened from last 24 hours.
* Worked on Kubernetes in scheduling and running containers on Cloud Environments and worked with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes with Cloud Formation.
* Designed React Native components and higher order components for the mobile app.
* Setting up IAM Users/Roles/Groups/Policies and automated DB &App backups to S3 using AWS CLI.
* Developed Shell scripts in automating administrative and maintenance tasks. Manage and control the continuous release promotion cycle (through automation) including the following environments: development, QA, Performance, Pre-prod and production.
* Develop deployment scripts on a lifecycle automation platform for the orchestration, integration and automation of Configuration promotions and software releases.
* Implemented build stage- to build the microservice and push the docker container image to the private docker registry.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using Terraform.
* Used Redux Framework architecture (like Reducers, Containers, Saga) for integrating the data with React-Native Application.
* Worked on deployment automation of all the microservices to pull image from the private docker registry and deploy to docker swarm cluster using Ansible. Configured Docker containers and created Docker files for different environments.
* Used React concepts like JSX (JavaScript, Typescript Syntax Extension), components, state and props.

**Environment:** Amazon Web Services (AWS), Terraform, Jenkins, Docker, Drupal Dataops, Node.js, typescript Python, WS Lambda, AWS CDK, Linux, New Relic, Chef, Ansible, AWS S3, Apache Tomcat, Groovy, Kubernetes, Nexus, Jira, GIT, Restful API's.

**Omnicom Media Group Pvt Ltd, India   
DevOps/Cloud Engineer July 2018 to October 2021**

**Responsibilities:**

* Designed, Installed and Implemented Chef configuration management system.
* Created and updated Chef Manifests and modules, files, and packages.
* Automated the cloud deployments using Chef and AWS cloud-formation templates.
* Implemented rapid-provisioning and lifecycle management for Ubuntu Linux using Amazon EC2, Chef, and custom Bash scripts.
* Performed Integrated delivery (CI and CD process) Using Jenkins, Nexus, Yum and ansible.
* Developed automation scripting in Python (core) using Chef to deploy and manage Java applications across Linux servers.
* Worked on creating Azure Blob for storing unstructured data in the cloud as blobs.
* Worked on Version control setups like GIT and integration tools Jenkins Installed, Configured and Administered Jenkins Continuous Integration Tool.
* Developed automation framework for Application Deployments to the cloud environments.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Optimized volumes and EC2 instances.
* Developed shell scripts for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Deployed the Java applications into web application servers like JBoss.
* Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments.
* Worked on the installation and configuration of the monitoring tool Nagios.
* Implemented Nagios core for monitoring Infrastructure resources.
* Set up customized monitoring with Nagios, Nagios Graph for the legacy and new environments.
* Automated Nagios services for database server, webserver, application-server, networks, file sizes, RAM utilization, Disk performances using Python.
* To achieve Continuous Delivery goal on high scalable environment, used Docker coupled with load-balancing tool Nginx.
* Bootstrapping automation scripting for virtual servers, using VMWare clusters.
* Worked on Apache and Firewalls in both development and production.

**Environment**: Ubuntu, Chef, AWS, Maven, Sonarqube, Nagios, Python, Shell, VMware, Ant, Maven, Jenkins, Hudson, GIT, SVN, GIT, SVN, Windows, JIRA.

**Mercedes-Benz R&D Pvt Ltd, India   
DevOps Engineer August 2016 to June 2018**

**Responsibilities:**

* Experience in designing and deploying AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB), auto scaling groups.
* Responsible for managing infrastructure provisioning (S3, ELB, EC2, RDS, Route 53, IAM, security groups - CIDR's, VPC, NAT)
* Written Terraform templates, Chef Cookbooks pushed them onto Chef for configuring EC2 Instances
* Using AWS Lambda, running scripts/code snippets in response to events occurring in AWS Cloud and maintaining it.
* Automate Deployment using configuration Management tool like puppet to provision amazon AWS Instances to enable continuous Deployments.
* Responsible for Design and architecture of different Release Environments for new projects.
* Worked at optimizing volumes and EC2 instances and created multiple VPC subnets.
* Writing Maven and Ant scripts for deployments.
* Implementing new projects builds framework using Jenkins & maven as build framework tools.
* Worked on Autoscaling, Cloudwatch (monitoring), AWS Elastic Beanstalk (app deployments), Amazon S3 (storage) and Amazon EBS (persistent disk storage).
* Utilize Amazon Glacier for archiving data.
* System monitoring with Nagios & Graphite.
* Installed, configured and maintained web servers like HTTP Web Server, Apache Web Server and WebSphere Application Server on Red Hat Linux.
* Worked with multiple development teams to troubleshot and resolve issues.
* Integrated Selenium automation regression test suite in Jenkins build pipeline.
* Used Puppet server and workstation to manage and configure nodes.
* Experience in writing Puppet manifests to automate configuration of a broad range of services.
* Good experience writing Manifests, Modules using Industry Best Practices for both Deployment Automation and Infra Configuration Management.
* Automate provisioning of Amazon AWS instances
* Maintained Puppet servers and management application that can use Service Now (CI) data to bring computers into a desired state by managing files, services, or packages installed on physical or virtual machines.
* Understanding & usage of Atlassian tools (i.e, Bamboo, JIRA, Confluence)
* Responsible for proper functioning DEV/TEST/STG/PROD environments for these applications.
* Participated in after hours on-call rotation to support Ops performs deployments on PROD environment.

**Environment**: SaaS applications, Terraform , SVN, Maven, Jenkins, Nexus, Bash Scripting, Ruby Scripting Puppet, JIRA, Tomcat, Java, JUnit, Docker, Puppet

**MicroGenesis Techsoft Pvt Ltd, India**

**Linux/UNIX System Administrator April 2014 to Jun 2016**

**Responsibilities:**

* Installed RedHat Linux using kickstart.
* Created, cloned Linux Virtual Machines, templates using VMware Virtual Client 3.5 and migrating servers between ESX hosts.
* Managed systems routine backup, scheduling jobs, enabling cron jobs, enabling system logging and network logging of servers for maintenance.
* Performed RPM and YUM package installations, patch and other server management.
* Installed and configured Logical Volume Manager – LVM and RAID.
* Provided 24/7 technical support to Production and development environments.
* Administrated DHCP, DNS, and NFS services in Linux.
* Created and maintained user's accounts, profiles, security, rights disk space and process monitoring.
* Provided technical support by troubleshooting Day-to-Day issues with various Servers on different platforms.
* Develop and Maintain documents, library and procedural documents of the system.
* Installation, configuration & maintenance of Sun Solaris 9 and10 on Sun Servers and Sun Workstations and RHEL 5 and 6.
* Creation of Users, Groups and mount points for NFS support.
* Management of user accounts, files and directory permissions, and securing UNIX systems to match industry best practices.
* Provides system administrative support for servers and workstations.
* Software and hardware upgrades and routine systems maintenance by installing current Patches and Packages.

**Environment**: Cloned Linux Virtual Machines, VMware Virtual Client 3.5, RPM, YUM, LVM, RAID, DHCP, DNS, NFS, Sun Solaris 9 and10, RHEL 5 and 6, UNIX.