**Manohar Yanamala**

**Sr. AWS DevOps Engineer**

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**PROFESSIONAL SUMMARY:**

Highly Skilled professional over **9+** years of various roles as AWS DevOps engineer with excellent experience in Automating, Configuring and Deploying instances on Cloud environments and Data Centers, CI/CD pipeline, Build and Release Engineer, AWS/Azure and Linux/Windows Administration

* Experienced in running web services on **Amazon Web Services (AWS)** and **Azure** and expertise in Infrastructure Development and Operations in **AWS** involving **AWS** Cloud platforms, **EC2, Elastic Beanstalk (EBS), S3, VPC, RDS, SES, Elastic Load Balancer (ELB), Dynamo DB, Cloud Front, Cloud Formation, API Gateways, AMI’s, Redshift, Lambda, AWS Opsworks and Cloud Trail.**
* Proficient level of experience in **Azure Cloud Services Storage, Web Apps, Active Directory, Traffic Manager, Azure Monitoring, Key Vault, Cognitive Services (LUIS).**
* Well versed with **OpenStack** based cloud infrastructure and in testing the components of **OpenStack** like **Glance, Swift** and **Nova** by using **OPNFV** tools such as **Rally**, **Tempest** and **Yardstick.**
* Efficient management in migration of cloud services from **AWS, Azure, Pivotal Cloud Foundry(PCF), OpenStack** and **Google cloud platforms** using **Apache Lib Cloud**. Strong knowledge on other cloud services like **IAAS,** **PAAS** and **SAAS**.
* Worked with **Terraform** key features such as Infrastructure as code, execution plans, resource graphs, change automation and created infrastructure in a coded manner (infrastructure as code) using **Terraform.**
* Worked on **ELK** (Elastic search, Log Stash, Kibana) stack to analyze log data obtained from Microsoft business intelligence tools.
* Working Knowledge on Virtualization technologies like **Docker, Packer,** **VMware, Vagrant** andworked on scheduling, deploying and managing container replicas on a node cluster using **Kubernetes** and created **REST API** to store, update, read and delete bucket information on Console using **Kubernetes** interfaces.
* Managed **Kubernetes** charts using Helm. Created reproducible builds of the **Kubernetes** applications, managed Kubernetes manifest files and managed releases of Helm packages.
* Experience in using **Dockers Swarm** and deployed spring boot applications and expertise in using the **Docker** for virtualization, ship, run and deploy the application securely to fasten the Build/Release Engineering. Virtualized the servers using the **Docker** for the test environments and developer environment needs.
* Designed, installed and implemented **Ansible** configuration management system. Experienced on writing **Ansible** playbooks for installing tools and deployment.
* Developed **Chef cookbooks** and wrote **Chef recipes** using **Ruby script** and **Chef DSL** to automate system configuration.
* Experienced in working with **Puppet** enterprise and **Puppet** open source. Installed, configured, upgraded and managed **Puppet** master, agents & databases and involved in leading automation deployment team by working with **puppet**.
* Contributed to auto-remediation scripts via **Ansible** and **Rundeck** and rann Cron jobs on Linux servers utilizing **RunDeck**.
* Responsible in developing scripts in python for the datacenter swings for different kinds of services. Developed **Ansible playbooks** and has integrated **Ansible** with **Rundeck** and **Jenkins**.
* Extensively implemented Continuous Integration and deployment using various continuous integration tools like **Jenkins, Bamboo, Hudson** and knowledge on **TeamCity.** Built a CI/CD pipeline with **Jenkins** to automate the process using the **Python** script.
* Expertise in using build tools like **GRUNT**, **MAVEN** and **ANT** for the building of deployable artifacts such as **jar, war & ear** from source code. Expert in creating and maintaining **Ant build.xml’s** and **Maven Pom.xml’s** for performing the build procedures.
* Extensive involvement with Version Control Systems like **GIT, Bit Bucket and Subversion(SVN).**
* Have ample experience in load balancing and monitoring with **Nagios** and **Splunk**.
* Worked on open source products like **My SQL, Apache HTTP, Apache Tomcat,** **HAProxy,** **Open LDAP, Nagios,** **Splunk** and **Logstash**.
* Experienced in static code analysis tool **SonarQube** right from setup to configuration in **Jenkins** and analyzing the different programming languages like **Java, C#** and **JavaScript.**
* Extensive involvement in **LINUX/Unix** system administration**,** system Builds, server builds, installations, upgrades, patches, migration, trouble shooting on **RHEL.**
* Build windows application and web services using **C#.NET** on **IIS** and windows platform and manage **Java** applications across Linux servers.
* Executable knowledge on scripts like **Shell (Bash), Perl, Power Shell, Python, Ruby, XML, Groovy scripting and Java Scripts.** Extensive knowledge on writing shell scripts for Automated back-upsand **Cron** jobs and also involved in developing Java web-based interfaces using **HTML5, CSS3, JQuery, XML and JSON.**
* Created and maintained continuous build and continuous integration environments in **Agile** development methodologies like **SCRUM,** **Sprints** model. Experience in full **Software Development Life Cycle** (SDLC) that includes analyzing, designing, coding, implementation and production support.
* Quick learner and proficient in solving the technical issues in the project. Strong perseverance and diligence towards attaining challenging goalsand possess good communication skills and quick learning ability and provided on-call support through rotation in a 24x7 production environment.

**Technical Skills:**

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| --- | --- |
| Cloud Environments | AWS, Azure, Pivotal Cloud Foundry, Open Stack, Google Cloud Platform. |
| AWS Services | EC2, ELB, VPC, RDS, AMI, IAM, Lambda, Cloud Formation, S3, Cloud Trial, SNS, SQS, EBS, Route 53, Cloud Trail, Auto Scaling, AWS Redshift, Cloud front. |
| Configuration Management Tools | Chef, Puppet, Ansible, Salt Stack, Rundeck. |
| Containerization Tools | Docker, OpenShift, Kubernetes, Vagrant, Packer, EC2 container. |
| Monitoring Tools | Splunk, Nagios, Cloud Watch, Sumo Logic, App Dynamics, Grafana, New relic, Zenoss |
| Build Tools | ANT, Maven, Gradle, Gulp, Grunt. |
| Version Control Tools | Subversion(SVN), GIT, GIT Hub, Bit Bucket. |
| Languages/ Scripts | C, C++, HTML, Shell, Bash, PHP, Python, Java, Ruby, Perl |
| Operating Systems | Red Hat, Ubuntu, Linux & Windows, Mac, CentOS, Debian, Solaris. |
| SDLC | Agile, Scrum, Waterfall. |
| Web Technologies | HTML, CSS, Java Script, jQuery, Bootstrap, XML, JSON. |
| Databases | Oracle, MySQL, MongoDB, SQL Server, MS SQL, NOSQL, Cassandra DB |
| Web Servers | Apache, Tomcat, Web Sphere, JBOSS, WebLogic. |
| Bug Tracking Tools | JIRA, Bugzilla, HP Quality Center, Remedy, IBM Clear Quest. |

**PROFESSIONAL EXPERIENCE:**

**Comcast, Philadelphia, PA Feb 2022 - Present**

**AWS DevOps Engineer**

**Responsibilities:**

* Designed, configured and managed public/private cloud infrastructure utilizing **Amazon Web Services (AWS) like EC2, Elastic Load-balancers, Elastic Container Service (Docker Containers), S3, Elastic Beanstalk, Cloud Front, Elastic File System, RDS, DynamoDB.**
* Used **AWS Console** and **AWS CLI** for deploying and operating AWS services specifically **VPC, EC2, S3, EBS, IAM, ELB, Cloud Formation** and **Cloud Watch.**
* Launching **Amazon EC2** Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications. Performed **S3** buckets creation, policies and on the **IAM** role based polices and customizing the **JSON** template. Implemented and maintained the monitoring and alerting of production and corporate servers/storage using **AWS Cloud watch**.
* Configure **Elastic Load Balancer (ELB)** for distribution incoming application traffic across multiple **EC2** instances. Managed and supported AWS Security related issues, such **IAM** and **S3** policies for user access.
* Implemented a 'server less' architecture using **API Gateway, Lambda** and **DynamoDB** anddeployed **AWS Lambda** code from **Amazon S3** buckets.
* Converted existing AWS infrastructure to server less architecture **(AWS Lambda, Kinesis)** deployed via **Apache Lib Cloud**, **Terraform** and **AWS** Cloud formation.
* Experience setting up instances behind **Elastic Load Balancer** in AWS for high availability and managed all **AWS** services by using **CLI** (Command Line Interface) and **Auto scaling**.
* Configuring the **Docker containers** and creating docker files for various environments**.** Built and deployed **Docker containers** to break up the monolithic app into microservices
* Experience with **Ansible Tower** to manage Multiple nodes and manage Inventory for different Environments. Automated various infrastructure activities like continuous deployment, application server setup, stack monitoring, Jenkins Plugins installation, Jenkins agent’s configuration using Ansible playbooks.
* Integrated **Jenkins** with **AWS**, **Docker, Kubernetes**, **Jforg** Artifactory, **GITHUB** and **Sonar Qube** tools for automation of daily process. Performed timely updates to **Jenkins, Jfrog** and **Sonar Qube** to keep them upto date for the Users.
* Installed Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm. Expertise in using **Jenkins** to automate most of the build related tasks as well as setting up the CRON jobs to clean the workspace and old docker repositories. Continuously evaluated and recommended improvement to **CI/CD** processes.
* Used **Jfrog** artifactory to store the artifacts built on Jenkins**,** even created Local, Remote, Virtual and Distribution repositories as per the user needs.
* Experience with (Static Application Security Testing) and static code analysis tool with **Check Marx** and **Sonar Qube**.
* Build scripts using **ANT** and **MAVEN** build tools in **Jenkins** to move from one environment to other environments.
* Deployed **JAVA/J2EE** applications to Application servers in an agile continuous integration environment and automated the whole process. Build scripts using **ANT** and **MAVEN** build tools in **Jenkins**, **Sonar** to move from one environment to other environments.
* Configured **New Relic** to monitor the **CI/CD** tool stack by installing New Relic agents and created alert policies for monitoring of **Diskspace, Load, CPU** and **Availability** of **Jenkins, Jfrog** and **SonarQube** resources.
* Identified new tools, technologies, and processes to improve the reliability, repeatability, and efficiency of builds, releases and QA. Responsible and accountable for the coordinated management of multiple related projects directed toward strategic business and other organizational objectives.
* Expertise in patching the RHEL servers and provided on-call support 24/7 by troubleshooting issues of the existing tool stack and application deployments.
* Maintained **JIRA** for tracking and updating project defects and tasks ensuring successful completion of tasks in a sprint.
* Managed different environments like Dev, QA, UAT and Production and also build and deployed the binaries on respective environment servers.
* Ability to work closely with teams, in order to ensure high quality and timely delivery of builds and releases.

**Environment:** AWS, Ansible Tower, Jenkins, SonarQube, Jfrog, X-ray, NewRelic, Apache Tomcat, GITHUB, Service-Now, RHEL, Windows, Mac Servers, Jira.

**Credit Suisse, Raleigh, NC May 2020 – Jan 2022**

**Sr. DevOps Engineer**

**Responsibilities:**

* Extensively worked on Datacenters Management and demonstrated full stack understanding across multiple data centers. Part of Automation team for planning and maintenance of internal datacenters and responsible for all aspects of the internal datacenters.
* Worked with multiple automation frameworks like **Rundeck** and **Ansible**.
* Worked on creating inventory, job templates and scheduled jobs using **Ansible** tower and writing **Python** modules for **Ansible** customizations. Creating inventory in **Ansible** for automating the continuous deployment and wrote playbooks using **YAML** script.
* Used **Ansible Tower**, which provides an easy-to-use dashboard and role-based access control, so that it's easier to allow individual teams access to use Ansible for their deployments. Monitoring using Ansible playbooks and has integrated **Ansible** with Rundeck and **Jenkins**.
* Created the automation build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products. Conducted software updates and mass changes via **Rundeck** **Pro**.
* Responsible in creating automation jobs in **Rundeck** for swinging the datacenters (marking the pools Up and Down) to increase efficiency and reduce time. Created **ACL** policies in creating groups for the **Rundeck** Users.
* Worked on **Rundeck** Job Scheduler and **Runbook** Automation. Ran the publish steps manually in some occasions if in case the automated publish fails.
* Created the new operation application by using Rundeck open source using Python and Built more than 50 jobs through Rundeck to support daily operation by using Python and HTML.
* Expertise in using **Jenkins** to automate most of the build related tasks. Build scripts in Groovy for setting up the **CI/CD** Pipeline. Continuously evaluated and recommended improvement to **CI/CD** processes.
* Developed plugins for the **Rundeck** and **Ansible** using **F5 Python SDK** for checking the state of the pools of the **GTM** servers, ratio of the traffic divided for each datacenter, marking datacenters up and down.
* Design, develop and deploy engaging web applications using Python. Proficient in developing Web Services (**SOAP, RESTful**) in Python using **XML, JSON.**
* Involved in working with Python open stock API's. Good experience in Python in creating scalable and robust applications along with other technologies (**D3, Angular, and Node JS**)
* Wrote Python code embedded with **JSON** and **XML** to produce **HTTP GET** request, parsing **HTML** data from websites. Wrote python scripts to parse **JSON** and load the data in database.
* Strong experience of software development in Python (libraries used: libraries- Beautiful Soup, NumPy, SciPy, matplotlib, python-twitter, Pandas data frame, networkx, urllib2, **MySQL dB** for database connectivity) and **IDE**s - sublime text, Spyder, pycharm, emacs.
* Involved in building database Model, **API**s and Views utilizing Python to build an interactive web-based solution.
* Developed Business Logic using Python on **Django Web Framework**. Carried out various mathematical operations for calculation purpose using python libraries.
* Deployment and management of web services with **Tomcat** and **JBOSS** provided end-user straining for all users to effectively use the tool.
* Extensively used **Zenoss** Monitoring tool and developed new and improved solutions to manage, scale and integrate with **Zenoss**. Worked extensively developing **ZenPacks** to support new tests for emerging products.
* Monitoring all managed network devices such as router, switches, firewall remotely with the help of network tools in **Zenoss**.
* Successfully installed and configured **Splunk** monitoring system to monitor the production server environment.
* Developed scripts to read the description of servers for monitoring logs in the **Splunk** dashboards.
* Coordinated and assisted with other Automation teammates and developers in establishing and applying appropriate branching, labelling/naming conventions using **Bitbucket** source control.
* Worked closely with different teams in the work environment like F5 engineering team, Level -1, Level-2, Monitoring team and Global Operation Center to cut down on the amount of manual work needed to be done and to establish high-level productivity.
* Planned RFC’s through **SERVICE-NOW** for application deployments and datacenter swing validations.
* Actively involved in the **Scrum** stand-up meetings, sprint backlog grooming, sprint planning meetings, sprint task meetings and providing directions to the team.
* Expertly worked for operation efficiency and optimization to avoid any lapses in technology service by making systems run smooth and functional without experiencing loss of service or revenue.

**Environment**: Ansible, Rundeck, Jenkins, Splunk, Zenoss, Apache Tomcat, JBOSS, Python, HTML, Bitbucket, Service-Now.

**Apollo Healthcare, Nashville, TN Nov 2019 – April 2020**

**Sr DevOps/AWS Engineer**

**Responsibilities:**

* Implemented secure cloud architecture based on **AWS** to make sure applications are reliable, scalable and highly available. Built and configured a virtual data center in the Amazon Web Services cloud to support Enterprise Data Warehouse hosting including Vir**tual Private Cloud (VPC**), **Public** and **Private** **Subnets**, **Security** **Groups**, **Route** **Tables**, **Elastic** **Load** **Balancer.**
* Implemented Amazon **EC2** by setting up instances, **Virtual Private Cloud (VPCs**), and security groups and by automating the process of launching and stopping/terminating **EC2** instances on **AWS** with **BOTO3.**
* Developed **CloudFormation** scripts to automate EC2 instances and managed 200+ AWS instances and configured Elastic IP & Elastic Storage in open enrollment period and implemented security groups and Network ACL’s.
* Proficient in writing **AWS Cloud Formation templates** to create custom **VPC’S,** subnets, **NAT, EC2** instances, **ELB’s** and Security groups using **JSON** templates.
* Hands on experience in using **AWS BeanStalk** for deploying and scaling web application and services developed with **Java, PHP, Node JS, Python** and **Docker** on familiar services like **Nginx.**
* Worked on AWS **Code Deploy** and Auto Scaling Groups to implement **Blue-Green Deployments** for the various releases moving forward. Created snapshots and **Amazon Machine Images (AMI)** of the instances for backup.
* Created **Identity Access Management (IAM)** policies for delegated administration within AWS. Used **IAM** to create new accounts, roles and groups and polices and developed critical modules like generating amazon resource numbers and integration points with **Dynamo DB**, **RDS**.
* Configured **RDS** instances using Cloud Formation and **Terraform.** Used **Terraform** to map more complex dependencies and identified network issue.
* Configured Azure cloud services, **Azure storage**, **Azure active directory**, **Azure Service Bus**. Created and managed **Azure AD tenants** and configured application integration with **Azure AD**.
* Provisioned **Azure** recourses like **SQL Database**, **Web App**, **Storage Account**, **Redis Cache**, **Virtual Machine**, **IoT Hub**, and **HDInsight** using Azure Resource Manager(**ARM**).
* Configured **VMs** availability sets using **Azure** portal to provide resiliency for **IAAS** based solution and scale sets using **Azure** Resource Manager to manage network traffic.
* Created **Azure** Web Application projects, updated and deployed ASP**.NET** Web apps, Web Jobs using visual studio, GitHub and **Azure** Resource Manager.
* Created private cloud using **kubernetes** that supports DEV, TEST and PROD environments and scheduled, deployed, managed container replicas onto a node clusters using **kubernetes**.
* Designed distributed private cloud system solution using **Kubernetes** (Docker) on **CoreOS**. Used **Kubernetes** to deploy scale, load balance, scale and manage **Docker** containers with multiple name spaced versions.
* Created custom **Docker** images to streamline porting of legacy applications to **Openshift.** Deployed **Micro services**, including provisioning AWS environments using **Ansible Playbooks**.
* Automated various infrastructure activities like continuous deployment, application server setup, stack monitoring using **Ansible** **playbooks** and has Integrated **Ansible** with **Jenkins.**
* Worked with **Chef** Enterprise on-premise, installed workstation, bootstrapped nodes using knife, wrote recipes and cookbooks and uploaded them to Chef-server, managed on-site OS/Applications/Services/Packages using **Chef** and **AWS** for **EC2/S3/Route53 & ELB** with **Chef cookbooks**.
* Automated deployments of **Java** based applications into **Tomcat, WebLogic** and **Jboss** webservers using **Chef** and **Jenkins**.
* Created jobs for builds and deployments, installed several plugins in **Jenkins** to support multiple tools required for the implementation of projects.
* Experience in **setting** up **CI/CD** pipeline integrating various tools with **Jenkins** to build and run **Terraform** jobs to create infrastructure in **AWS**.
* Managed **Maven** project dependencies by creating Parent-child relationships between all projects.
* Developing Apache **Ant**, Apache **Maven** and **Nexus** Maven repository management to automate the compilation, deployment and testing of Web and **Java**/**J2EE** applications to the above platforms.
* Implemented branching, merging, tagging and maintaining the version across the environments using SCM tools like **GIT** on **Linux** platforms.
* Used **Ansible** to setup/teardown of **ELK** stack (Elasticsearch, Log stash, Kibana) and troubleshoot the build issues with **ELK** and work towards its solutions.
* Created visualizations, Dashboards in **Kibana** and configured **Kibana watcher** for automatic generation of **Kibana** reports.
* Configured **Splunk** searching and reporting modules, knowledge objects, administration, dashboards, clustering and forwarder management.
* Developed an automation tool with **Selenium** web driver and Java to help converting the configurations of **Hudson** jobs, migrated over number of tasks ahead of schedule with automation.
* Maintained **JIRA** for ticketing and tracking and updating project defects and tasks ensuring the successful completion of tasks in a sprint.

**Environment**: AWS VPC, ELB, API Gateway, Lambda, DynamoDB, S3, EC2, Azure, Chef, Ansible, Docker, Kubernetes, Terraform, Apache Lib Cloud, Jenkins, Maven, GIT, ELK, Selenium, Nagios and JIRA.

**Energytech Global, Hyderabad, India Jan 2017 – Sep 2019**

**DevOps/Cloud Engineer**

**Responsibilities:**

* Responsible in setting up and building of **AWS** infrastructure from various resources like **VPC,** **EC2**, **S3**, **IAM**, **EBS**, Security Group, Auto Scaling, and **RDS** in Cloud Formation using **JSON** templates. Implemented local user provisioning instances by creating in **AWS** cloud.
* Created and configured **AWS EC2** instances using preconfigured templates such as **AMI’s, RHEL, Centos, Ubuntu** as well as used corporate based VM images which includes complete packages to run build and test in those **EC2** Instances.
* Created **Lambda** functions that aggregates the data from incoming events, then stored result data in Amazon **Dynamo DB** and **S3**.
* Created **S3** buckets and managed policies for **S3** buckets and utilized S3 buckets and **Glacier** for storage, back up and archived in AWS and experience in setting up and maintenance of auto scaling AWS stacks.
* Used **Route53** to control the traffic between different regions. Worked on **IAM** service by creating users and groups, defining roles and policies and identity providers.
* Experience setting up instances behind **Elastic Load Balancer** in AWS for high availability and managed all **AWS** services by using **CLI** (Command Line Interface) and **Auto scaling**.
* Extensively used **CDN** (Content delivery network) to deliver web pages and other content based on geographic locations of the user by using **Cloud front** and redesigned infrastructure for high availability using multiple **AWS** availability zones.



* Maximized the through put between the CPU and drives and improved the performance of data processing with the help of **Amazon Redshift**.
* Created custom **Cloud watch dashboards** for monitoring CPU utilization, Network In-Out, Packet In-Out and other parameters of the instances.
* Deployed micro-services using **Pivotal Cloud Foundry** **(PCF)** platform build upon spring boot services.
* Experience in deployment, configuration and support of platform as a service (Paas) provider solutions like **PCF** full stack development.
* Developed templates for **AWS** infrastructure as a code using **Terraform** to build staging and production environments.
* Reduced build and deployment times by designing and implementing **Docker** workflow. Used **Docker containers** for eliminating a source of friction between development and operations.
* Implemented **Multi-Dimensional** numeric time series monitoring using **Prometheus.**
* Used **Docker** to containerize custom web applications and deploy them on **Digital Ocean** with Ubuntu instances through **SWARM Cluster** and to automate the application deployment in cloud using **Vagrant**.
* Created **API** Gateways on **NODE JS** and **ANGULAR JS** using **Python Zappa**.
* Worked in production of large-scale environments using configuration management tools like **Puppet** and **Chef** supporting Puppet Environment with over 500+ servers and involved in developing manifests. Automated OS builds and Application Installation through **Chef** & **Puppet**.
* Developed new **Puppet Modules** and **Puppet Manifests** files for installation of OS and custom written software packages using **puppet** and leveraged **Hiera** to create various re-usable puppet modules.
* Built Continuous Integration environment **Jenkins** and Continuous delivery environment. Implementing and managing **Jenkins** **DSL** job to automate the new job creation.
* Automation of new job creation by implementing and managing **Jenkins** DSL. Setup **Jenkins** master slave architecture to use **Jenkins** as pipeline as service.
* Built scripts using **Maven** build tools in **Jenkins** to move from one environment to other environments. Maintained build related scripts developed in shell for **Maven** builds and created and modified build configuration files including **POM.xml**.
* Groovy Scripts are written to build and Deploy the application in **WebSphere** Application Server.
* Responsible for writing/modifying scripts using **BASH & Shell**.
* Implemented monitoring and logging of different application logs using **ELK** and **New relic** andConfigured and setup **ELK** stack (Elasticsearch, Log stash and Kibana) to collect, search and analyze log files across the servers and monitored the servers using cloud Watch and **ELK** for Network and Log Monitoring.
* Configured Grafana and created dashboards on Grafana to show graphs of environment performance. Installed and configured **Telegraf, Influxdb, Grafana** and **Kapacitor (TIGK)** stack for monitoring infrastructure and applications.
* High exposure to **REMEDY, BUGZILLA** and **JIRA** defect tracking tools for tracking defects and changes for change management.
* Planned release schedules with **agile** methodology & coordinated releases with engineering & SQA for timely delivery.

**Environment:**AWS VPC, EC2, S3, IAM, EBS, Route53, Glacier, Redshift, PCF, Puppet, Chef, Docker, Node JS, Angular JS, Python Zappa, Jenkins, Maven, Bitbucket, ELK, New relic, Grafana, JUNIT, Cobertura, PMD, AMI, RHEL, Centos, Ubuntu.

**ICICI Bank, Hyderabad, India Nov 2015 – Dec 2016**

**DevOps/AWS Engineer**

**Responsibilities:**

* Planned, designed and configured AWS services **(EC2, S3, IAM, Amazon Glacier, EBS, VPC, Elastic Load Balancing, Amazon Cloud Watch, Auto Scaling, Route 53, Cloud Formation).**
* Created AWS Multi-Factor Authentication **(MFA)** for instance **RDP/SSH** logon, worked, with teams to lock down security groups
* Worked with Amazon **Route53** to manage DNS zones and gave public DNS names to elastic load balancers. Set up **ELB** for different applications to ensure high availability of applications.
* Used Amazon **S3** to backup database instances periodically to save snapshots of data. Used **Cloud Watch** logs to move application logs to **S3** and create alarms raised by applications.
* Troubleshooting user connectivity and access to remote/secure resources via ACL, Firewall policy and **VPN** Configuration change processes. Updating and distributing **VPN** Client Software.
* Install and configure the **RabbitMQ** environment for the Analytics and setup the supervisor for managing process availability.
* Worked with **Tomcat** Web Server, **JBOSS,** **WebLogic** and WebSphere Application Servers for deployment.
* Launching and Debugging Docker container, Installing/setup **Docker** host in environment, Integrating **Docker** and **MESOS** to monitor container status.
* Experience working on several Docker components like **Docker Engine**, **Docker-Hub**, **Docker-Compose** and **Docker Registry**.
* Implemented **Terraform** modules for deployment of applications across multiple cloud providers.
* Installed and Implemented **Chef** and **Puppet** configuration management system.
* Maintained **Chef** Configuration management spanning several environments in **VMware** and **AWS cloud**.
* Automated Linux production server’s setup using **Puppet scripts**. Responsible for large scale **Puppet** implementation, maintained and instituted AWS automation through **Puppet** and **Chef** environment.
* Installed **Jenkins** on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Used **MAVEN**, **GRADLE** as build tools on Java projects for the development of build artifacts on the source code and conducted **SVN** to **GIT** migration.
* Experienced and a strong passion towards **LAMP** (Linux, Apache, MySQL& PHP) development stack.
* Responsible for maintaining different Testing/QA environments and erection of Prod environments in **AWS**.
* Involved in Creating, Installation and administration of **Red Hat** Virtual machines in **VMware** Environment. Administration of **RHEL** and **Solaris** which includes installation, testing, tuning, patching and troubleshooting day-today issues.

**Environment:** AWS S3, Cloud watch, Route53, ELB, EC2, RabbitMQ, JBOSS, WebLogic, Docker, Terraform, Chef, Puppet, Jenkins, Maven, SVN, GIT, Splunk, RHEL, Solaris.

**Navayuga Infotech, Hyderabad, India June 2014 – Oct 2015**

**DevOps Engineer**

**Responsibilities:**

* Responsible for the design and implementation of applications' build, release, deployment, and configuration activities.
* Managed Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Puppet or custom-built cloud-hosted solutions.
* Designed and implemented fully automated server build management, monitoring and deployment by using **Puppet** in a DevOps lifecycle.
* Implemented **Puppet** modules for server housekeeping and which involves leading automation deployment team by working with **Puppet.**
* Writing modules for Installation and update of Yum repositories on the Server using **Puppet** infrastructure.
* Enabled Continuous Delivery through Deployment into several environments of Test, QA and Production using **Jenkins**.
* Involved in Installing Jenkins on a **Linux** machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Responsible for design and maintenance of the **Subversion/GIT**, Stash Repositories, views, and the access control strategies.
* Imported and managed multiple corporate applications into Tortoise **SVN** and Implemented the setup for Master slave architecture to improve the Performance Automated SQL Scripts, Batch Scripts Deployment to staging and production Databases with TFS.
* Build scripts using **ANT** and **MAVEN** build tools in **Jenkins** to move from one environment to other environments.
* Used **Jenkins** as a continuous integration tool for automation of daily process.
* Created and maintained the **Python** deployment scripts for Web Sphere web application server.
* Developed Perl and shell scripts for automation of the build and release process.
* Involved in editing the existing **ANT**/**MAVEN** files in case of errors or changes in the project requirements.
* Experienced in authoring pom.xml files, performing releases with the Maven release plugin, **Mavenization** of Java projects and managing Maven repositories. Managed **Maven** project dependencies by creating parent-child relationships between Projects.
* By using System monitoring with **Nagios** and **Graphite**. Setup threshold alerts in Nagios XI and updated contact definitions to notify potential service or host interruptions.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.

**Environment:** JAVA/J2EE, Linux, Maven/ANT, Nexus, Puppet, Jenkins, Tomcat, JIRA, GIT, Shell Scripts, Unix/ Linux environment.