

NAGATEJA SAMBU

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Certified

Solutions Architect - Associate

Skilled **AWS** with **DevOps** with 2.2 years of hands-on experience on supporting, automating, and optimizing mission **Critical deployments and Development in AWS**, leveraging **configuration management, CI/CD** and **DevOps** processes.

PROFESSIONAL SUMMARY

- Hands on experience in AWS Cloud Services:
(**EC2, ELB, AutoScaling, ElasticBeanstalk, S3, Glacier, EFS, APIGateway, VPC, CloudWatch, CloudTrail, CloudFormation, CodeBuild, CloudFront, Route53, IAM, CloudOrganizations, CloudTrail, KMS, SNS, SQS, SES, Kinesis, RDS, ElasticCache**)
- Adopting end-to-end development of applications from requirement analysis of system study, designing, testing, De-bugging, documentation and implementation
- Drafting & mapping the requirements, custom designing solutions and troubleshooting for complex software & application problems
- Experience in administration, deployment and management across various platforms Linux and Windows.
- Experienced In writing **CloudFormation** scripts to provision AWS Environment.
- Experienced in creating **Route-53** routing policies .
- Implemented CI/CD pipeline for multiple customer engagements using DevOps tools like **Jenkins, Ansible, Ansible Tower, Git, Terraform** etc.
- Experienced in **JIRA Software and Service Desk**.
- Experienced in writing **Chef** recipes for installation in multiple nodes.
- Hands-on experience on Containerization tools like **Docker, Kubernetes**.
- Skilled in providing effective resolution of customer queries related to application and improving relationships with the customer by anticipating customer future requirements, thereby ensuring a positive customer experience.
- Good experience in **shell scripting**.
- I believe in Customer success and work towards making our customer successful with lot of commitment and smart work.
- Good communication & interpersonal skills with abilities in resolving complex software issues.
- Experienced in writing **Ansible** templates and **Ansible-tower**.
- Experienced in Creating **Splunk DashBords** .
- Experienced in **Jenkins** as a CI/CD tool.
- Experienced in writing **Jenkins pipeline** Code.

PROFESSIONAL SKILL SET:

Cloud Computing	AWS (EC2,ELB,AutoScaling,ElasticBeanstalk,S3,Glacier,EFS,APIGateway,VPC,CloudWatch,CloudTrail,CloudFormation,CodeBuild,CloudFront,Route53,IAM,CloudOrganization,CloudTrail,KMS,SNS,SQS,SES,Kinesis,RDS,ElasticCache)
Project management	Jira ServiceDesk and Jira Software.
Source control	Git,Github.
Build tool.	Maven.
Code Quality Testing	Sonarqube.
Unit testing	Junit.
Artifactory	Nexus.
CI/CD	Jenkins,Jenkins-pipeline.
Configuration Management	Ansible,Ansible-Tower,chef.
Application Server	Tomcat, Jboss.

Monitoring Tools	AWS CloudWatch,Splunk,ELK.
Containerization	Docker. Kubernetes(basic Knowledge).
Scripting	CloudFormation,Boto3(python),shell.
Programming	Python(Beginner level)
Methodology	Agile.

PROFESSIONAL EXPERIENCE:

Company : **CloudJourney**
Position : Cloud Engineer
Duration : July 2017 to Present

Job Responsibilities:

Project Name : **Auto Hospi**
Duration : December 2018 to till date
Client Name : Leading Hospitality Group in US
Role : Cloud Engineer

Key Activities Performed:

Our client is one of the famous travelling company providing services like Hotels & Resorts for the tourists in United States, Japan and UAE. Earlier, development team and operations team used to work in Silo's and lead time for provisioning the infrastructure on AWS cloud is very huge. But the development team demanded to have on-demand infrastructure and in that process we have built CI/CD pipeline. Instead of manual process, we are automating the whole process for building the infrastructure by using DevOp's tools.

- Implemented LoadBalancer latency routing policy to route traffic to the multiple servers.
- Implemented Lambda function to Circulate aws keys monthly.
- Written AWS CloudFormation templates to provision AWS Environment.
- Used Jenkins for continuous integration and deployment into Apache Tomcat Server
- Using Docker, Jenkins, Ansible, Jira and AWS.

- Written Ansible playbooks to provision several pre-prod environments consisting of deployment automation
- Developed Docker images to support Development and Testing Teams and their pipelines; distributed Jenkins etc.,
- Working closely with Architecture, Development, Testing and IT Services teams
- Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, and Bash
- Installing, configuring and maintaining Continuous Integration, Automation and Configuration Management tools.
- Creating several templates for pre-prod playbooks in Ansible tower.

Environment: AWS, Ansible, Jenkins, Docker, Jira, Shell scripting, Ansible Tower

Project Name : **OfficeGrid**
Duration : February **2018** to November **2018**
Client Name : Energy Corporation in US
Role : DevOps Engineer

Key Activities Performed:

Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues. Created and modified application related objects, created Profiles, users, roles and maintained system security. Provided operational support for mission critical systems in a 24x7 shift rotation environment. Maintenance of hardware /software configurations for Red Hat Enterprise systems/ Linux.

- Responsible for manually fixing bugs and scripts on Production servers
- Fixed bugs on the build/deploy platforms, and worked closely with developers to understand their build requirements.
- Build Continuous Integration Environment using Jenkins
- Troubleshooting and automated deployment to web and application servers like Apache and Tomcat
- Installation and Configuration of Linux and Window Servers
- Installation, Configuration, Troubleshooting and Tuning Apache and Tomcat web server
- Configuration like assigning IP addresses, configuring network interfaces, assigning static routes, hostnames etc.
- From scratch, setup a SCM Process for a Highly Secure Project. ACL management with GIT repository, Branch and Release Management, Build Automation.
- Creating alarms and notifications for EC2 instances using Cloud Watch
- Setup Elastic Load Balancer for distributing traffic among multiple WebLogic servers

Environment: AWS, Jenkins, TOMCAT, JIRA, RHEL, Apache, GIT, Ansible.

Project Name : Football Club Migration

Client : Perform Group, UK
Duration : July 2017 to January 2018
Role : DevOps Engineer

Football club migration provides sports media content for various football clubs. The data includes editorial news, interviews of the players, match highlights, live text commentary of the matches, team line-ups, match stats, latest/live scores of all UK competitions, fixtures of tournaments, results of all matches, league tables, player specific stats etc. It also includes features like premium content access via subscription. Live audio/videos of the matches is provided only for the subscribed users.

Key Activities Performed:

- Worked as GIT administrator as part of my role and monitored the repository for various issues.
- Increasing EBS backed volume storage capacity when the root volume is full using AWS EBS Volume feature.
- Created S3 backups using version enable and moved objects to Amazon Glacier for archiving purpose.
- Created load balancers (ELB) and used Route53 with fail-over and latency options for high availability and fault tolerance.
- Configured Security group for EC2 Window and Linux instances and also for puppet master and puppet agents.
- Monitored the application interface by using tools such as Cloud Watch,Splunk
- Worked with Build Automation, Deployment tools and Continuous Integration concepts by using tools like ANT,Jenkins.
- Used chef for automating the management of machine configurations.
- Building the source code using GIT and Jenkins.
- Build and deployment scripts according to SCM team standards and processes to QA, Performance and Production Environments.

Environment: Amazon Web Services, IAM, S3, cloud watch, ANT, Git,chef, Docker, Apache HTTPD, Apache Tomcat, Bash, Jenkins.

ACADEMIC QUALIFICATIONS

B.Tech in Computer Science