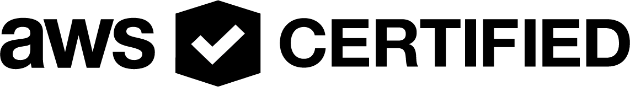
**Narendra Thokala** 

**DevOps Engineer**

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**Professional Summary**

Around 8+ years of professional experience in DevOps/ Agile/AWS/AZURE/ Build AND Release Engineer operations, software configuration management (SCM) processes and Cloud Manageent.

* Experience in DevOps, Build and Release Management, Continuous Integration, Continuous Deployment, Automation, Cloud Management and Linux/Unix administration.
* Created CI/CD pipelines and setup auto trigger, build and deliver with the help of the CI/CD tool like Jenkins, VSTS.
* Worked on Release Management and Build Automation with VSTS Developed automation scripts using PowerShell, supporting multiple hosts and VMs for Azure Cloud deployments.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include Compiling, Packaging, Deploying and Application configurations.
* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources and worked on Lambda, for triggering events with cloud watch using Lambda functions.
* Extensively worked on Jenkins for Continuous Integration and for End to End automation for all build and deployments. Experience in working with continuous deployment tools like Puppet and Chef.
* Experience is using Tomcat, JBOSS, WebLogic and WebSphere Application servers for deployments.
* Automate, configure and deploy instances on AWS, Azure cloud environments.
* Containerized micro services from Docker to ECS, Kubernetes.
* Skilled at Software development life cycle (SDLC) and Agile methods (Scrum), and Waterfall methodologies.
* Good Understanding at scripting languages like Python, Bash and Groovy.
* Experienced in cloud automation using AWS cloud Formation Templates, Terraform and Ansible.
* Experience in utilizing Amazon AWS cloud includes services like EC2, RDS, SQS, SNS, S3, VPC, ELB, IAM, Cloud Watch, CloudFormation, Elastic Beanstalk, Security Groups, EC2 Container Service (ECS), Lambda, Kinesis, Code Commit, Code Pipeline, code deploy, DynamoDB, Auto Scaling.
* Self-motivated, quick learner takes independent responsibility to contribute and teamwork skills.

**Work Experience**

**LexisNexis, Raleigh, NC Oct 2020 to Present**

**AWS/DevOps Engineer**

**Responsibilities**

* Followed an extremely light and efficient Agile process, adapted to be most easily applied in order to deliver an end to end continuous integration/continuous delivery product in an open source environment using tools like Ansible, Jenkins and Packer.
* Deployed and monitored scalable infrastructure on Amazon web services (AWS) using CloudFormation templates, Ansible, Jenkins CI /CD. Launched Amazon EC2 Cloud Instances using Amazon Images (Linux/ Ubuntu) and Configured launched instances with respect to specific applications.
* Responsible to Manage IAM Policies, providing access to different AWS resources, design and refine the workflows used to grant access.
* Worked on packer to create custom AMIs for each project and used provisioners like shell, Ansible to configure the server/application.
* Experience in using builds tools like Maven, Gradle for the building of deployable artifacts such as war & jar from source code.
* Involved in Blue Green deployments for the Cloud production applications using Jenkins pipelines.
* Trouble shooting build issues as part of scrum support stories and as well as during the deployment process.
* Worked on POCs to implement new AWS features like AWS Proton, ASG scheduled scaling using Lambda.
* Created a high availability and scalable AWS stacks using EC2 auto scaling functionality. Used AWS CloudWatch extensively to monitor and debug the cloud-based AWS EC2 services.
* Provisioned S3, EBS, ELB for EC2s for high availability as per network config specification.
* Worked on designing, installing and implementing Ansible configuration management system and wrote playbooks for Ansible using YAML and deployed applications.

**Technologies/Tools used**:, AWS, Jenkins, Azure DevOps, Maven, VersionOne, PowerShell, Linux, Python script, Shell script, Groovy, ECS Fargate, Docker, AWS CloudFormation, Packer, Ansible.

**Infosys, Raleigh, NC Oct 2019 to Oct 2020**

**AWS/DevOps Engineer**

**Responsibilities**

* Actively involved in architecture of DevOps platform and cloud solutions.
* Migrated Around 100 Java applications to AWS Cloud and automated the migration process.
* Automated the cloud deployments using AWS Cloud Formation Templates.
* Worked on creating Concourse Pipelines for Continuous Delivery to deploy AWS Resources.
* Used Jenkins for Continuous Integration and deployment into Tomcat Application Server and for maintaining the infrastructure along with AWS Cloud Formation.
* Provisioned AWS Resources like LaunchTemplate, EC2, ALB, Target Groups, AutoScaliong Groups, Route53 for Server Migration Project using AWS CloudFormation Templates.
* Worked on AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, Cloud Watch, Auto scaling, IAM, S3. Experience in designing and deploying AWS Solutions using EC2, S3, EBS, ELB, Auto Scaling groups.
* Provisioning EMR, S3, Lambda CloudFormation Templates to automate the Apche Spark jobs deployment.
* Utilize Cloud Watch to monitor resources such as EC2, EMR, Lambda, CPU memory, Amazon RDS DB services, Dynamo DB tables, EBS volumes to set alarms for notifications or automated actions and to monitor logs for better understanding and operation of system.
* Introduced effective ways of communication and stream-lined use of JIRA, Confluence and to maximize productivity and bring discipline between Dev-QA communication gaps.
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Worked on creating terraform modules for all AWS resources to re-use across multiple projects.
* Worked on Creating CloudwatchAlarms, Event Rules for Alerts and Error Notifications in EMR.
* Troubleshooting EMR configurations issues and created automation scripts to make configuration changes without manual intervention.

**Technologies/Tools used**: AWS, EC2, EMR, Lambda, AWS CloudFormation, Amazon RDS, Informatica/ETL, Hadoop, Networking, Firewall, Maven, Jenkins, SonarQube, My SQL, ServiceNow, Linux, Python script, Shell script, Groovy.

**AutoNation, New York Apr 2018 to Oct 2019**

**AWS/DevOps Engineer**

**Responsibilities**

* Developing and implementing solutions using industry standards and patterns to promote consistency, efficiency and risk reductions across AutoNation’s data enterprise.
* Provided continuous improvements to AutoNation’s release pipelines (INT, QA, Stage and Production)
* Worked on build automation in VSTS Build and Jenkins for Java and .NET applications.
* Hands on experience with creating build and release pipelines using VSTS.
* Experience in Infrastructure automation in AWS (CloudFormation) (ARM Templates)
* Worked as production support engineer for AWS, Azure, and on-prem resources as needed.
* Attending daily SCRUM standup meetings with PMO, development and QA teams.
* Operational experience with cloud IaaS and PaaS technologies at the enterprise level.
* Working experience with container and micro services technology in AWS.
* Worked on AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, Cloud Watch, Auto scaling, IAM, S3. Experience in designing and deploying AWS Solutions using EC2, S3, EBS, ELB, Auto Scaling groups.
* Setting up databases in AWS using RDS, storage using S3 buckets and configuring instance backups to S3 buckets. Maintained a farm of EC2 instances, ELB’s and RDS.
* Used SonarQube for code coverage and code quality.
* Responsible for installing and administrating the SonarQube for code quality check and Nexus repository and generating reports for different projects. Also integrated them into Jenkins.
* Installed, Configured and utilized AppDynamics (Tremendous Performance Management Tool) in the whole JBoss Environment (Prod and Non-Prod).

**Technologies/Tools used**:, VSTS, Azure Active Directory, AppDynamics, AWS Cloud, Maven, My SQL, ServiceNow, PowerShell, Linux, Unix, Python script, , Shell script, ECS, Docker, AWS CloudFormation, Amazon Aurora, MongoDB, SonarQube.

**PricewaterhouseCoopers, Tampa, Florida Oct 2016 to Mar 2018**

**Cloud / DevOps Engineer**

**Responsibilities**

* Responsible for Deployment Automation using multiple tools Chef, Jenkins, GITLAB ANT Scripts on AWS.
* Perform research on AWS resources or tools to recommend to clients. Deployed Java Microservices on Amazon Elastic Container Service.
* Experience in designing and deploying AWS Solutions using EC2, S3, EBS, ELB, Auto Scaling groups.
* Launching infrastructure in AWS using AMI's created by terraform tool through Jenkins. Using terraform we can also customize our infrastructure in AWS configuring various AWS resources.
* Experience in Terraform with AWS writing Terraform scripts to deploy AWS infrastructure & replace automation tool like Ansible with terraform.
* Experienced in setting up of AWS relational databases like Aurora, MYSQL, MSSQL and NoSQL database DynamoDB.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using Terraform. Managed AWS infrastructure as code using Terraform.
* Build the artifacts through Jenkins CICD pipeline wherein for every 1-hour triggering Poll SCM in the Build Trigger. Resolved the issues occurred during the build process.
* Build the deliverable artifacts using Maven as a build tool in Jenkins for Java applications and deploy them to various environments.
* Configured Jenkins pipeline for auto deployment through continuous integration (Jar build, AMI creation, Integration test, contract test, performance test, deploy in Test environment and then into Production).
* Worked on Kubernetes (Open source system) for automatic deployment and for managing containerized applications. Worked on TeamCity for Build management & Continuous Integration.
* Deployed and configured Gitlab repositories with branching, forks, tagging, and notifications.
* Monitoring Live Traffic, logs, Memory utilization, Disk utilization and other factors important for deployment.
* Experienced in deployment of applications on Apache Web server, Nginx and Application Servers like Tomcat, JBoss.
* Participated in Migration undergoing from JBoss 4 to Weblogic or JBoss 4 to JBoss 6 and its respective POC.

**Technologies/Tools used**: GITLAB, AWS Cloud, Jenkins, Maven, My SQL, Nexus, Apache Webserver, Linux, Unix, AWS Dynamo DB, Python script, Ruby script, Shell script, Octopus, Kubernetes, Groovy, Perl, Apache Tomcat, Docker, Terraform, MongoDB, SonarQube, Bit bucket.

**Union Bank, San Diego, CA Feb 2015 – Sept 2016**

**DevOps Build & Release Engineer**

**Responsibilities**

* Experienced with deployments, maintenance and troubleshooting applications on Microsoft Cloud Infrastructure Azure. Experience in Automating, Configuring and Deploying Instances on Azure environments and in Data centers.
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, and Auto-Scaling.
* Creating and maintaining containerized micro services and configuring/maintaining private container registry on Microsoft Azure for Hosting Images and using Windows Active Directory.
* Develop PowerShell scripts, master and child configuration templates to automate multi environment and data center deployments.
* Managing Azure Fabric and Azure Service Bus.
* Monitoring the Event monitoring and logging and API Gateway.
* Hands on experience with creating build and release pipelines using VSTS.
* Integrated kubernetes with registry, networking, storage, security and telemetry to provide comprehensive infrastructure and orchestrate containers across multiple hosts, on Azure.
* Automated the process of installation, configuration of the web application servers like Web Sphere/Web Logic using Ansible.
* Maintained Nagios for monitoring the log files, Network monitoring and the hard drives status.
* Used Bit bucket for the repository and version management through Source Tree for GITLAB UI.

**Environment:** Azure (Including ASP, ACS, ADFS, VNETs, ARM, IAM, SAS, SAP, WCF, IIS, Web & Mobile, Blobs, Resource groups, Key Vault, Azure SQL, Redis, Couch DB, RabbitMQ), Docker, Mesos, Kubernetes, Web Sphere, Nagios, .NET.

**Education**:

* Bachelor’s in engineering from JNTU, Kakinada, India 2013
* MS in CS, Silicon Valley University, San Jose 2016

**Certifications**:

* AWS Solutions Architect Associate (Feb 2020 - Feb 2023)