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Name: Teja Chandu

Phone: 205-881-2004

Email: tejach.devops@gmail.com

**SUMMARY**

* Over 7 years of experience as a DevOps engineer and Build and Release management.
* Extensively worked towards code compilation, packaging, building, debugging, automating, managing, and deploying code across multiple environments like DEV, QA, UAT and PROD.
* Expertise in AWS integration and migration of existing metal solutions into virtualized hosting environment using EC2, S3, VPC, ELB, Cloud watch, Cloud formation and so on.
* Experience and Managed servers on the Amazon Web Service (AWS) platform instances using with various configuration and automation management tools such Ansible and Chef.
* Experience in migrating applications from customer on-premises datacenter to the cloud platforms.
* Knowledge in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN and Load Balancing.
* Generated Cloud Formation and Terraform Templates and deployed AWS resources using it. Associated with software release life cycle.
* Created Micro services using AWS Lambda and API Gateway using REST API.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible playbooks.
* Designed the project workflows/pipelines using Jenkins as CI tool. Experience writing PYTHON, Bash, Shell scripts for building deployment pipelines.
* Implemented distributed frameworks using Docker. Installed and configured a private Docker Registry for internal teams to push and pull containers.
* Create repositories according to the structure required with branches, tags and trunks.
* Implemented Cloud watch for gathering application logs and metrics to troubleshoot and automate the notifications events to perform alarms to make sure AWS Services running smoothly.
* Experienced with Docker container service. Created Docker applications by creating Docker images from Docker file.
* Worked with the cluster management and orchestration features embedded in the Docker Engine.
* Experience in using Docker and setting up ELK with Docker and Docker-Compose. Actively involved in deployments on Docker using Kubernetes.
* Implemented a Kubernetes Container Orchestration solution within AWS allowing for easy management, creation, and recovery of assets.
* Worked extensively with Waterfall and Agile-SCRUM Methodologies.
* Proficient with Shell, Python, Ruby, Perl, Power Shell, JSON, YAML, Groovy scripting languages.
* Skilled in monitoring servers using Nagios, Data dog, Cloud watch and using ELK.

**TECHNICAL SKILLS**

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| Cloud Platforms | AWS, Azure, GCP |
| SCM Tools | Subversion, Bit Bucket, GIT, Clear Case, GitLab, GitHub. |
| Build/CI tools | Ant, Maven, Gradle. |
| Continuous Integration Tools | Jenkins, Hudson, Bamboo, AWS Code pipeline. |
| Configuration Management Tools | Chef, Ansible, Puppet and Salt Stack. |
| Tracking Tools | Jira, Clear Quest, Bugzilla. |
| Containers | Docker, Kubernetes, Docker Swarm, Mesos. |
| Virtualization | Oracle Virtual Box, VMware, Vagrant. |
| Scripting languages | Shell scripting, Python, Bash. |
| Databases | Oracle, MS SQL Server, MySQL, NoSQL, PostgreSQL, DynamoDB |
| Web/Application Servers | WebLogic, WebSphere, JBOSS, Apache Tomcat, TFS, IIS, Nginx. |
| Operating System | Linux (Red hat, Cantos, Ubuntu, SUSE), UNIX (HP-UX, Solaris, IBM AIX) and Windows. |
| Monitoring Tools | Splunk, ELK, AppDynamics, Kibana. |

**PROFESSIONAL EXPERIENCE**

Client : Warner Brothers, Burbank, CA

Duration : June 2019 – Present.

Role : AWS DevOps Engineer

Responsibilities:

* Developed and deployed Infrastructure-As-Code using Terraform for at most all used AWS services and AWS Code Commit, Build, Code Deploy and Code Pipeline for managed Infrastructure services.
* Optimization of Jenkins jobs scripts to enhance app execution and ease of support.
* Maintained and enhanced legacy application written in Python and hosted in AWS.
* Worked on NIFI data Pipeline to process large set of data and configured Lookup’s for Data Validation and Integrity.
* Created Python scripts to totally automate AWS services which includes web servers, ELB, Cloud Front distribution, database, EC2, database security groups, S3 buckets, application configuration.
* Creating a fully Automated Jenkins Jobs CI/CD pipeline Build and Deployment Platform and coordinating code builds promotions and orchestrated deployments using Jenkins and GitHub.
* Developed and maintained mobile pipeline for Android and IOS devices via GitHub, Travis-CI.
* Leveraged Selenium, automated test tool, to perform unit, system, and integration testing and locust for API testing and application end to end.
* Developed and maintained pipeline for Roku devices via GitLab, Jenkins, and AWS S3.
* Piloted working Chat Ops solution in Slack, AWS Lambda, and AWS API Gateway to expose AWS services.
* Documented and coordinated selection of Vendors in AIOps to leverage capabilities of AI and Machine Learning in expedition resolution of operational issues.
* Containerized developers’ test module in Docker and ECR for granularized application deployment and reducing infrastructure footprint.
* Analyzed Screeners application and recommend areas for improvement: MongoDB Shard Clustering, NodeJS Containerization, Nginx Web Caching, and other process improvements.
* Refactor DC Comics LA-screenings application leveraging updated CICD pipeline process: GitLab, Jenkins, and AWS Code Pipeline Stack.
* Wrote and implemented Python script to modify LDAP database and to create custom cloud watch metrics.
* Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Worked on building NIFI data pipelines in docker container environment in development phase.
* Worked with DevOps team to cluster NIFI Pipeline on EC2 nodes integrated with Spark, Kafka, Postgres running on other instances using SSL handshakes in QA and Production Environments.
* Refactored applications infrastructure from server based to serverless models and as well adapted serverless template to few applications.

**Environment**: AWS, Boto3 EC2, S3, AMI, ECR, Lambda, SNS, SQS, Auto Scaling, VPC, Cognito, API-gateway, CloudWatch, CloudFront, Step-Functions, Lambda, EBS, Docker, Jenkins, JIRA, ECS, Catchpoint, Slack, SendGrid, Rundeck, Terraform, Cloud Health, OnePass, PagerDuty, Splunk, Cloudflare, Horus VPN.

Client : Avera Health, Sioux Falls, SD

Duration : May 2018 – June 2019.

Role : AWS cloud/DevOps Engineer.

Responsibilities:

* Hands on experience in Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, S3, AMI, ELB (Load Balancers), RDS, SNS, SQS, Auto Scaling, VPC and EBS.
* Build server deployment on Cloud (EC2) servers with help of DevOps tools like Ansible.
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
* Built servers using AWS, importing volumes, launching EC2, RDS, creating security groups, Auto scaling, load balancers (ELBs) in the defined virtual private connection.
* Developed and maintained the Continuous Integration and Deployment systems using GIT, Jenkins, Maven, and Nexus.
* Worked with different file formats like Json, AVRO and parquet and compression techniques like snappy. NIFI ecosystem is used.
* Implemented Simple Notification Services (SNS) and triggered it by Cloud Watch Monitoring to send SMS or Email to desired recipients.
* Monitored servers in Cloud watch during deployment and handled troubleshooting steps.
* Created monitors, alarm, and notifications for EC2 hosts using Cloud Watch.
* Implemented a Kubernetes Container Orchestration solution within AWS allowing for easy management, creation, and recovery of assets.
* Used Docker containers for eliminating a source of friction between development and operations.
* Configured and deploying to Application Servers Tomcat, WebLogic, JBoss and WebSphere.
* DynamoDB NoSQL database using boto3, which included creation of tables, items and automating the tasks.
* Automated RDS, S3, VPC, Elastic Bean Stalk, EC2 using python (boto3) and bash (AWS-CLI).
* Worked on encrypting and decrypting files using boto3 and Open SSl.
* Managed Ansible Playbooks with Ansible roles and used file module in Ansible playbook to copy and remove files on remote systems.
* Configured Docker images with packages like boto3, AWS CLI and python packages.
* Created Python Scripts to Automate AWS services which include web servers, ELB, Cloud front Distribution, database, EC2 and database security groups, S3 bucket and application configuration.
* Created JIRA issues to prioritize and take an action on what is important and stayed up to date with what is going on around the project.

Environment: AWS, Boto3 EC2, S3, AMI, ELB (Load Balancers), RDS, SNS, SQS, Auto Scaling, VPC, EBS, Docker, Kubernetes, Jenkins, Ansible, JIRA.

Client : Wolters Kluwer, Houston, TX

Duration : Dec 20116 – May 2018.

Role : AWS cloud/DevOps Engineer.

Responsibilities:

* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) 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.
* Worked on AWS Ops Work, AWS Lambda, AWS Code Deploy, AWS cloud formation and cloud foundry.
* Wrote cloud formation templates to create infrastructure including but not limited to EC2,
EBS, S3, VPC, IGW and NAT gateway to ensure successful deployment of applications.
* Managed servers on the Amazon Web Services (AWS) platform instances using Puppet, Chef Configuration management.
* Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to Chef-server, Managed On-site OS/Applications/Services/ Packages using Chef as well as AWS for EC2/S3&ELB with Chef Cookbooks.
* Create Chef Automation tools and builds and do an overall process improvement to any manual processes.
* Installation, configuration and administration of Virtual Box and VMware virtual machine for RHEL, Ubuntu Linux servers.
* Written Chef Cookbooks for various DB configurations to modularize and optimize product configuration.
* Utilized AWS Cloud watch to monitor environment for operational & performance metrics during load testing.
* Implemented, maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.
* Excellent in Setting up monitoring tools like Nagios and Amazon Cloud watch to monitor major metrics.
* Troubleshooting and monitoring of Third-party applications using Splunk and Cloud Watch in the Amazon Web Services (AWS) environment.
* Monitored AWS cloud resources and the applications that deployed on AWS by creating new alarm, enable notification service using Cloud Watch.
* Wrote Python Scripts for to establish AWS Connectivity using Boto3 packages.
* Exported SQL data into Elastic search to allow much faster and scalable user searches from the database.
* Worked with EC2 Container Service (ECS) to support Docker containers to easily run applications on a managed cluster of Amazons EC2 instances.
* Responsible for Installation, Configuration Management, Maintenance and Systems Development of Red Hat Linux, Oracle Enterprise Linux Systems.

**Environment**: AWS, EC2, Lambda, Cloud formation, S3 buckets, Chef, Terraform, Docker, Shell, Linux.

Client : Citi Bank, Jacksonville, FL.

Duration : Aug 2015 – Nov 16.

Role : DevOps Engineer.

Responsibilities:

* Designing and implementing CI (Continuous Integration) system.
* Configuring CI tools like Jenkins servers and nodes.
* Creating required scripts like Perl and Python and creating/configuring VMs (Windows/Linux/Ubuntu).
* Having knowledge on Hadoop technologies like Hive, Impala.
* Worked on Impala to get queries daily usage report.
* Installed and worked on Apache Zeppelin to create notebooks and run spark queries.
* Implemented a Continuous Delivery pipeline with Jenkins and GitHub.
* Migrating and maintaining build and test environments into the Cloud Infrastructure.
* Configured and maintained Hudson to implement the CI process and integrated the tool with Ant and Maven to schedule the builds.
* Took the sole responsibility to maintain the CI Hudson server. Production support of Apache and J Boss including installation, configuration, management, and troubleshooting.
* Created API by using the API gateway management console.
* Having experience with creating API, controlling access, maintaining, deploying API, monitoring and Troubleshooting.
* Worked on installing and configuring CLI components and launching the EC2 instances on both environments like Linux and windows.
* Worked on implementing new versions of many DevOps tools on RHEL Environment for better performance, to remove vulnerabilities.
* Responsible to automate the infra structure work in many areas for Jenkins, Artifactory, Maven.
* Participated and coordinate in meetings with many teams to automate, implement which are not useful and having vulnerabilities.

**Environment**: ANT, MAVEN, JBoss, Jenkins, Subversion, Linux.

**Education Details**: Master’s in Information System Technologies from New England College, New Hampshire.

**Certifications**: AWS certified DevOps Engineer **– Professional**.