KOMMINENI
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Sr. Cloud/DevOps Engineer

Summary:

- Senior AWS/ DevOps Engineer with over **8+ years** of IT experience as Cloud/DevOps Engineer, Linux Administrator, System Administrator. Build/Release Management with Continuous Integration(CI) & Continuous Deployment/Delivery(CD) as an iterative process and Automation of infrastructure including end - to-end code configuration using different tools, and cloud services like **AWS, Azure, Open Stack.**
- Have more than 5 years of hands-on experience in Aws/Azure cloud, providing cost-effective, Scalable, Secure, and highly available infrastructure for enterprise customers in public and private clouds.
- Working/Maintaining the multiple cloud vendor platforms (Aws, Azure, VMWare).
- Setting up KPIs to meet SLAs. Generate meaningful alerts that escalate to the On-Call Engineers only when it matters.
- Experience with maintaining the 24x7 production environments on public Cloud environments (AWS, Azure) and on prem.
- Automated Infrastructure deployments using docker Playbooks/Cloud Formation (DevOps) and terraform.
- Extensive experience with most used AWS services like **VPC, EC2, IAM, S3, RDS, API gateway, Lambda, Route 53, ELB, WAF, SNS, SQS, etc.**
- Experience in designing, configuring, and deploying solutions on Microsoft Azure using ARM Templates, AZURE PowerShell Module and, Azure CLI focusing on high-availability and auto-scaling.
- Experience working with **Azure** and **AWS PaaS, IaaS**.
- Deploying and maintaining highly available Database as a service cluster.
- Hands on experience on Azure VPN-Point to Site, Virtual networks, Azure Custom security, end security and firewalls.
- Deploying, maintaining, and securing WordPress sites on cloud infrastructure.
- Proficient in Kubernetes to manage containerized applications using its nodes, Config Maps, selector, Services, and deployed application containers as Pods.
- Well versed with **UNIX**, **Red Hat Linux, Ubuntu, SUSE** and **Windows, MacOS.**
- Experienced in writing complex Queries, Stored procedures, functions, packages, tables, views and triggers with major databases such as Oracle and MySQL.
- Experienced in database **GUI/IDE** Tools using TOAD**, DB Visualizer, MySQL Client** and **SQL Server** management studio.
- Knowledge in Configuring and Troubleshooting Nginx servers.
- Excellent communication skills with the ability to interface Confidential all levels. A team player who also can work well independently.
- Experience in working with multiple vendors and geographically distributed teams.
- Experienced in using AWS resources such as **EC2, S3, VPC, EBS**, code build, code deploy, code commit, **AMI, SNS, RDS, ECS**, Cloud watch, Cloud Trail, Route53, IOT, load balancers, auto-scaling, security groups and Cloud formation.
- Experience in designing AWS cloud models for Infrastructure-as-a-Service (IAAS), Platform-as-a-Service (PAAS) and Software-as-a-Service (SAAS).
- Configured the Kubernetes cluster and supported it running on the CoreOS.
- Experience on Kubernetes like deploying, monitoring an EKS cluster and to manage and run copies of containers in the cloud.
- Using Terraform modules wrote automation scripts for creating resources in the cloud and versioned them in S3.
- Implemented software configuration management solutions using Ansible, and Jenkins.
- Knowledge on Docker and Kubernetes based container deployments using **Docker Files** and **Helm charts**.
- Hands-on knowledge of working with monitoring tools such as **Datadog, Prometheus, Grafana**.
- Working experience with **Python** and scripting languages.

- Passionate in learning new technologies and improving work environments with best practices.
- Experienced in working on DevOps/Agile operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management), Continuous Integration(CI), Continuous Delivery(CD), Cloud, Infrastructure as Code, Infrastructure Provisioning, Orchestration, Monitoring, Alerting and Service Level Dashboards.
- Experienced in Monitoring tools like Nagios, Sensu, Zabbix and Splunk.
- Experienced in Virtualization Technologies for Server, DC and VPC environments including VMware ESXi 5.x, 6.x VMware vSphere, VMware realize, VMware VCenter Configuration Manager (VCM), Microsoft Hyper - V, Citrix, KVM, Cisco UCS, PowerShell, Power CLI.
- Expertise in Querying **RDBMS** such as **Oracle, MY SQL** and **SQL Server.**
- Good understanding of OSI Model, TCP/IP protocol suite (IP, ARP, TCP, UDP, SMTP, FTP, and TFTP).
- Good Experience in using APACHE TOMCAT, JBOSS, JETTY, WebLogic, and WebSphere Application servers for deployments on Solaris and Linux boxes.
- Implemented and maintained CI environments (Jenkins/Hudson) in performing deployments, Packaging, Build optimization, production rollouts, staging, defect tracking (JIRA), and root cause analysis, Smoke testing, Operation support and service delivery over web/app servers like Jboss, Tomcat and WebLogic, MAVEN.
- DevOps experience with Puppet, Ansible, Chef, AWS (OPS Work) and OpenStack.
- Provide SME in all areas of Cloud (IaaS, PaaS, SaaS) to existing and perspective clients on multiple cloud platforms Azure/AWS and various PaaS platforms (Cloud Foundry/OpenShift).
- Designed, developed, implemented, and maintained custom Gradle tasks in Java and Groovy.
- Professional experience in Software Configuration Management (Release and Build Engineering / Configuration) on both Linux/Unix and Windows environments.
- Managed local deployments in Kubernetes, creating local cluster and deploying application containers.
- Building/Maintaining Docker containers clusters managed by Kubernetes Linux, Bash, GIT, Docker, on ansible

Technical Skills:

Build Tools	Jenkins, Maven,ANT,Gradle, Ansible, Puppet, Chef
Issue Tracking/Monitoring	Jira, CloudWatch, Datadog, Icinga, Jest
Web/Application Servers	Apache, Tomcat, nginx, RabbitMQ, Web logic
SCM/Version Control Tools	GIT, Bit bucket, Github
Containerization, Orchestration	Docker, Kubernetes, Helm
Continuous Integration Tools	Jenkins, SonarQube, Harness, Bamboo
Configuration Management	Ansible, Terraform
Cloud services	Amazon Web Services (AWS), Open stack, Google Cloud, Microsoft Azure
Scripting Languages	Python, Shell scripting, YAML,JavaScript, Bash Shell, HTML
Operating system	Unix, Linux, and Windows
Programming	Java, .Net
Frame work	React, Node.js, Spring Boot
Backup/Monitoring Tools	Splunk, S3, Cron Jobs, Nagios
Databases	AWS RDS, DynamoDB, Redis, MSSQL, MySQL, MongoDB

Work Experience:

Client: Tavant-Santa Clara, CA   **Mar 2021 – Till date**
Sr Cloud/DevOps Engineer

Responsibilities:
- Configured scalable, secure and disaster recovery cloud Architecture using Amazon Web Services.
- Deployed multi-tier applications utilizing AWS stack (EC2, Route53, S3, RDS, DynamoDB, SNS, SQS, IAM) focusing on fault tolerance and auto-scaling.

- I have experience in designing DoD Enterprise DevSecOps factories for the Air Force and hardening Open-Source and Commercial containers.
- I also have been working with other DevSecOps tools like HashiCorp, Packer, Vagrant, Terraform, Consul and Vault on automating deployments on AWS GovCloud and VMware on-premises hybrid Government clouds.
- Managed EC2 instances using launch configuration, Auto scaling, Elastic Load balancing, automated the process of provisioning infrastructure using Cloud Formation, Ansible templates, and created alarms to monitor using CloudWatch.
- Designed and worked with team to implement ELK Stack on AWS.
- Managed storage in AWS using Elastic Block Storage, S3, created Volumes, configured Snapshots.
- Migrated n-tiered workloads from on-prem and other clouds to GCP with near-zero-downtime this includes full spectrum of lift and shift to complete re-platforming scenarios.
- Design, develop and deliver data integration/data extraction/data migration using Data Stage to GCP.
- Used Terraform in AWS Virtual Private Cloud to automatically setup and modify settings by interfacing with control layer.
- Developed Templates for AWS infrastructure a using Terraform to generate staging and production environments.
- Deployed CoreOS Kubernetes Clusters to manage Docker containers in the production environment with light weight Docker Images as base files.
- Implement a standard DEVSECOPS pipeline cross multiple application development teams.
- Worked with Ansible Tower to manage Multiple Nodes and Manage Inventory for different Environments.
- Automated various infrastructure activities like Continuous Deployment, application server setup, using Ansible playbooks.
- Developed CI/CD system with Jenkins on Google Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy.
- Created Kubernetes charts using Helm, and Created reproducible builds of the Kubernetes applications, and managed Kubernetes manifest files.
- Had Experience in using Tomcat and Apache web servers for deployments and for hosting by using these tools.
- Used Kubernetes to manage containerized applications using its nodes, Config Maps, Selector Services and deployed application container as Pods.
- Prototype CI/CD system with Gitlab utilizing Kubernetes and Docker for the CI/CD systems to build and test and deploy.
- Created Docker images using a Docker file, worked on managing Docker volumes and created Docker Automation as a solution for CI/CD.
- Responsible for maintaining GIT Repositories and Coordinated and assisted developers with establishing and applying branching, labeling/naming conventions using GIT source control.
- Built scripts using Maven build tools in Jenkins to move from one environment to another environments.
- Setup Jenkins master slave architecture to use Jenkins as pipeline as a service.
- Integrated Maven builds into Jenkins and configured GIT parameterized builds. Also installed many custom plugins along with Maven plugins.
- Managed configurations of multiple servers using Ansible.

Environment: AWS (EC2, S3, VPC, ELB, RDS, EBS, Cloud Formation, Cloud watch, Cloud trail, Route 53, AMI, SQS, SNS, CLI, CDN), GCP, Docker, Jenkins, Maven, Git, Jira, Bash, Shell, Perl, Python, Tomcat, Autoscaling, Route53, RHEL 6.8/7. X.

Client: Polaris-Medina, MN   **Jul 2019 – Feb 2021**
Sr DevOps / Cloud Engineer

Respponsibilities:
- Handled operations and maintenance support for AWS cloud resources like launching, maintaining, and troubleshooting EC2 instances, and S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers and Relational Database services.

- Performed Linux administration tasks in tests and production environments with Installing, configuring, and troubleshooting the client applications on the Linux servers.
- Had Participated in Building data backup/recovery strategy and plans.
- Worked on Troubleshooting on Instance launch, Stopping, connecting, recovery issues and troubleshoot windows instance on EC2 instances in limited time.
- Involved in maintaining and editing Python scripts for application deployment automation. Also, involved in editing the existing MAVEN files in case of errors or changes in project requirements.
- Installed and configured Java, Tomcat by using ansible-playbook configuration management.
- Created and Managed the VPC, Subnets and route tables to establish a connection between different zones.
- Used MAVEN as a build tool on java projects to generate Build artifact and to develop these on the source code.
- Responsible for the design and maintenance of the GIT Repositories, views, and access control strategies.
- Worked in setting up the repos to various projects in GIT.
- Automated infrastructure using Terraform and AWS CloudFormation and used AWS CloudFormation for updating the stacks.
- Built end to end CI/CD pipelines in Jenkins integrating SCM, compiling source code, performing tests and pushing build artifacts to Nexus.
- Installed application on AWS EC2 instances and configured the storage on S3 buckets.
- Created snapshots, AMIs, Elastic IP's and managed EBS volumes.
- Launched and configured Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configured the servers for a specific application.
- Tracked the bugs in the project using Jira.
- Had used Tomcat for deploying Java and Web Applications.
- Assisted in designing and deploying AWS solutions using EC2, S3, EBS, ELB, autoscaling groups.
- Had done the research and implemented new tools such as Kubernetes with Docker to assist with auto-scaling, continuous integration, rolling updates with no downtime.
- Configured local Maven repositories and multi-component Ant projects with Nexus repositories and scheduled projects in Jenkins for continuous integration.
- Installed docker and wrote few docker files to containerize a few applications.
- Scripted PowerShell reports checking for user account audit compliance.
- Installation, Configuration, Administration and Upgrade of Redhat Linux 5.x, 6.x.

Environment: Git, SVN, Ant, Maven, Jenkins, Red hat Linux, Centos, Amazon Web Services (EC2, ECS, my DB, VPC, Subnets, IAM, Route53, S3, ELB, RDS, Security Groups, CloudFormation), Ansible, Terraform, Docker, Splunk, Tomcat.

Client: Prism Solutions-India   **Sep 2016 – Dec 2018**
Build and Release Engineer

Responsibilities:
- Migrating the existing project to Microsoft Azure with Azure services.
- Upgrading the servers like Tomcat from 8.5 to Tomcat 9 in the project before migration.
- Setup the required setup in the Local, Dev, Test and Prod environments.
- Upgrading JSF 2.0 to 2.2 as per the configuration of JBoss.
- Using Perforce to check out and check in the code and Bamboo for continues Integration.
- Provided PowerShell script to automate Virtual machine server build including joining Active Directory domain and install Software.
- Azure Resource Manager (ARM) provides security, auditing, and tagging features to help you manage your resources after deployment.
- Used Azure Resource Manager (ARM) to deploy, update, or delete all the resources for your solution in a single, coordinated operation.

- Creating Jason deployment templates for provisioning virtual networks, subnets, VM Scale Sets, Load balancers and NAT rules. Define set of resources and specifying deployment parameters to Azure Resource Manager (ARM) templates to creating resource group of virtual machines
- Using Azure Functions to integrate applications and run backend processes according to schedules without provisioning/managing servers.
- Configured plugins for the integration tools to the version control tools.
- Jenkins administration to user access credentials, deployment email notification, configuration for new users and using matrix plug-ins to manage Jenkins.
- Creating and building Jenkins Pipelines for CI/CD Process.
- Manage source code, software builds, software versioning, & defect tracking on software maintenance tasks/projects.
- Used Ruby for chef Scripting.
- Delivered specific versions of various components of an application into target environments.
- Used Test driven deployment (TDD) with agile.
- Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain GIT with Dev/Test/Prod Branching Model for weekly releases.
- Troubleshoot the automation of Installing and configuring applications in the test environments.
- Responsible to maintain Maven Build Scripts and tweak if changes in the requirements.
- Worked on NAGIOS script and JBOSS Drools, Python, Birt, CSS2 and 3, HTML5, Udeploy.
- Perform configuration, testing, and change control documentation for the cloud stack environment.
- Installation and development of workflows for integration and automation in the cloud-based solutions.
- Branching, Tagging, Release Activities on Version Control Tools like GIT

Environment: JIRA, SVN, Apache ANT, XML, Maven, Jenkins, Apache Tomcat, Shell Script, Unix/Linux, Windows, Oracle.

Client: Phoenix Info Care-INDIA   **Jun 2014 – Aug 2016**
Site Reliability Engineer

Responsibilities:
- Experience working with AWS- must know AWS command line and be able to upload files and create policies
- Needs to have AWS CloudFormation experience and be able to create a stack with ELB, EC2 and RDS
- Experience working with GIT- must understand push, pull, resync branch, and pull request workflow
- Must have basic programming experience- basic data structures: array, hash(associative array)/ looping and conditionals
- Jenkins experience- should be able to create a freestyle job
- Docker experience - be able to pull and run a container from docker hub and ECR
- Experience working with Puppet- know how to troubleshoot simple failures (manifest error, missing dependency, failed node classifier)
- Experience with Windows, supporting/troubleshooting in a production support environment.
- Experience with .NET 3.5 and 4.x applications on IIS 6/7.x.
- Networking experience, specifically strong knowledge of TCP/IP.
- Experience with Load Balancers, specifically Net Scalar.
- Experience with Clustering.
- Experience with VMware (configuration is preferred).
- Experience with monitoring/content delivery tools such as Fog light or Akamani.
- Experience establishing process exposure

Environment: Agile, HTML, CSS, JavaScript, TypeScript, React.JS, Angular 4, jQuery, Protractor, Jasmine, Karma, Java 8, Microservices, spring boot 2, spring cloud, Eureka server, Hystrix, Spring Security, OAuth 2.0 with JWT, Kafka, RabbitMQ, AWS, DynamoDB, SQS, Docker, Jenkins, Kubernetes, ELK stack, slf4j, log4j, Junit, Mockito, SoapUI, Postman, JMeter, JIRA, GIT