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**SUMMARY:**

* Result-oriented IT Professional with 9+ years of experience in developing the skills to increase velocity, reliability, and quality with high focus on security, scaling new heights of success and leaving a mark of excellence in DevOps, Microservices& Cloud Engineering.
* A Visionary leader with specialization in Digital Cloud Transformation Roadmaps to gain insights and capitalize, Cloud Native Architectures, experience, and insight to elevate any application, computing platform infrastructure to Cloud.
* Demonstrated experience in transforming IT infrastructure and moving an organization toward a mature cloud-based (AWS/Azure/GCP) service delivery model.
* Possess deep experience in the design and implementation of fully automated Continuous Integration, Continuous Delivery, Continuous Deployment (CI/CD) pipelines and DevOps processes for agile & waterfall projects.
* Strong experience on DevOps essential tools like Chef, Puppet, Ansible, Docker, Kubernetes, Subversion (SVN), GIT, Hudson, Jenkins, Ant, Maven and migrated VMWAREVMs to AWS and Managed Services like EC2, S3, Route53, ELB, EBS.
* Experienced in productivity & efficiency enhancing tools implementation, administration & management in areas covering Static Analysis, Requirements Management, Defect Tracking, Quality Code Coverage and Code Reviews
* Expertise in implementing, configuring, securing load balancing, and administrating scalable cloud environments.
* Successfully developed and maintained tools and solutions associated with the deployment of Microservices while ensuring compliance with standards.
* Strong knowledge of best practices and market trends pertaining to Cloud and overall industry to provide thought leadership (such as seminars, whitepapers etc.,) and mentor team to build necessary competency.
* Impressive success in planning, build, configuration, release, and deployment of applications across DEV, UAT, Pre-Production & Production environments.
* Acted as Subject Matter Expert in AWS/Azure/GCP Public cloud, including professional experience in architecting and operating solutions built on AWS and Azure.
* Having good Knowledge in NOSQL data base like DynamoDB and MongoDB
* Knowledge on AWS services like VPC, EC2, S3, ELB, Auto Scaling Groups(ASG), EBS, IAM, Cloud Formation, Route 53, Cloud Watch, Cloud Front,
* Experience in using tools like Docker Compose, Kubernetes, for Orchestrating and deploying the services related to the Containers and with container-based deployments using Docker, working with Docker images, Docker Hub, ECR, Azure Container Registry and Google artifact registry.
* Hands on experience in installing and upgrading k8s clusters, implementing Auto-scaling for the Kubernetes environment by using horizontal pod auto scaling (HPA) and Vertical Pod Auto-scaling (VPA).
* Experience in creating Kubernetes services (Cluster IP, Node Port and Load Balancer) and Kubernetes persistent volumes (PV), Persistent Volume Claim (PVC).
* Proficient in using Kubernetes for container orchestration, by writing Docker files and setting up the automated builds on managed Kubernetes services such as GKE, AWS EKS and Azure AKS.
* Experienced in developing and deploying Helm charts to Kubernetes using Helmfile as a declarative configuration for deploying reproducible builds of Kubernetes applications.
* Expertise in installing and upgrading different versions of Oracle database such as Oracle 9i, 10gR2, 11gR2,12c and 19c.
* Extensively worked on different versions of Oracle E-business suite such as 11i and R12 and Web Logic and JBoss applications.
* Expertise in platform migration of Oracle databases and applications from Solaris to RedHat Linux.
* Designed and executed multiple cloud migration projects to migrate on-prem Oracle EBS applications to Oracle and OCI cloud.

**Certification:**

* Certified Kubernetes Administrator (CKA), from Linux Foundation in 2023
* AWS Solutions Architect Associate Certifications, from Amazon Web Services in 2022
* AZ-900 -Microsoft Azure Fundamentals in 2022

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | Linux (Red Hat 4.x, 5.x, 6.x,6.5,7.x Suse (SLES 9,10), Sun Solaris 10/9/8/ CentoS, AWS(ami1, ami2) |
| **Cloud** | AWS/Azure/GCP |
| **Scripting** | Bash, Shell, Ruby, PowerShell, Python, Perl, YAML, Shell |
| **Build/Automation Tools** | Ansible, Chef, Puppet, Jenkins, Maven, Ant |
| **Databases** | Oracle11g/10g/9/8,Sybase11.5.1,POSTGRESSQL,MYSQL,NoSQL(Dynamo DB) |
| **Bug Tracking Tools** | JIRA |
| **Version Control Tools** | Git, SVN, GitLab, GitHub, Bitbucket, Azure Repos,Stash |
| **Web/App Server** | Apache http 2.4/2.2/2.0, Apache Tomcat 5.5/6.x, WebLogic 9.0/9.1/9.2/10.3, WebSphere 5.0/6.0/6.1, |
| **Web Technologies/ Programming Languages** | Servlets, JDBC, JSP, XML, HTML, .Net, Java Script, Java/J2EE, C, C++, Perl scripting, Python, Shell scripting, Ruby, YAML |
| **Config Management** | Ansible, Ansible Tower |

**Professional Experience:**

**Client: FedEx, Memphis, TN May 2022 to Till Date**

**Role: Sr. DevOps Engineer**

**Responsibilities:**

* Coordinated with architects and engineers of other areas to design networks, systems, storage environment that effectively reflect business needs, security requirements, and service level requirements.
* Spearheading the development & implementation of procedures for system troubleshooting and maintenance
* Working with AWS cloud infrastructure including EC2, Auto Scaling, Elastic Load Balancer, EBS&EFS, Elastic Beanstalk, S3, Cloud Front, RDS, VPC, Route53, Cloud Watch, Cloud Formation, IAM, ECR, EKS.
* Working with Azure services not limited to IaaS - Virtual Networks, VPN Gateway, Virtual Machines, Cloud Services, Resource Groups, VPN, Azure Storage, Azure DB services, Azure Functions, Azure App Service, Azure Load Balancing, Application Gateways, Auto-Scaling, AKS, Azure Container Registry, Azure DNS, Azure Monitor.
* Designed core platform foundation using Google Cloud Platform using Terraform which includes Folders, Projects, DNS, Shared VPC, Service Projects, Security, VPN, VPC Peering & VPC-SC Bridge.
* Developed complete GCP Infrastructure & Its services like Folders, Projects, VPC-SC, Shared VPC, DNS, VPC-Peering, Routes, Service & Host Projects, VPN, Interconnects, Service Perimeters, Security controls, Service Accounts, Custom IAMs, Pub/Sub, Cloud Functions & Organization Policies with Terraform IaC.
* Integrated Google Security Command Center Premium for GCP Org to report security vulnerabilities across multiple GCP Projects, VMs and VPC Networks.
* Implemented CICD pipelines for infrastructure using Terraform/CloudFormation Templates, Jenkins AWS Resources and Ansible.
* Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers.
* Designed, implemented, and managed the infrastructure on AWS, Azure and Google Cloud.
* Provisioning AWS cloud infrastructure using Terraform and configuring them using Ansible.
* Provisioning of Kubernetes clusters using AWS and Azure virtual machines using Terraform.
* Provisioning of managed Kubernetes clusters like EKS and AKS by using Terraform.
* Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from dev through production, easing the code development and deployment pipeline by implementing Docker Containerization with multiple namespaces.
* Implemented Continuous Deployment pipeline with Jenkins and Jenkins workflow on Kubernetes.
* Implemented continuous integration/continuous deployment methodology for the monolithic and Microservices based applications.
* Implemented continuous integration/continuous deployment methodology using Azure DevOps.
* Hands on working with Kubernetes volumes such as Persistent Volumes (PV) and Persistent Volume Claims (PVC).
* Working knowledge with Kubernetes networking through services like NodePort, ClusterIP and Load Balancer.
* Achieved Kubernetes cluster security by implementing RBAC’s, network policies and audit logging.
* Managed certificates for Kubernetes clusters.
* Experienced in Blue/Green and Canary deployment strategies for deploying micro service applications in Cloud environments.
* Developed and deployed Helm charts to Kubernetes using Helmfile as a declarative configuration for deploying distributions of Helm charts.
* Setup GitOps operator using ArgoCD for automatic deployment of microservices applications to a Kubernetes cluster.

**Environment:** Amazon AWS, Git, Jenkins, Azure DevOps, Terraform, Ansible, Dockers, Kubernetes, Helm, ArgoCD, Python, ELK, Prometheus, Grafana, ServiceNow.

**Client: Pepsico , Bangalore, India June 2020 – Dec 2021   
Role: Sr. DevOps Engineer**  
**Responsibilities:**

* Deploying Involved in deploying applications utilizing AWS stack (Including EC2, Route53, S3, RDS, CloudFront, Config, Glacier, ElastiCache, IAM, focusing on high-availability, fault tolerance, and auto-scaling and CloudWatch.
* Configured Aws lambda function to reduce Amazon Elastic Compute Cloud (Amazon EC2) usage by stopping and starting instances at predefined times.
* Experience in working with Microsoft Azure services not limited to IaaS - Virtual Networks, VPN Gateway, Virtual Machines, Cloud Services, Resource Groups, VPN, Azure Functions, Azure App Service, Azure Load Balancing, Application Gateways, Auto-Scaling, Azure DNS, Azure Monitor.
* Lead offshore operations team which involves, infrastructure management includes, regular monthly patching, remediating vulnerabilities.
* Creating, configuring and managing GIT and GIT repositories in windows and UNIX environment.
* Provisioning AWS cloud infrastructure using Terraform and configuring them using Ansible.
* Infrastructure Patch management for all Unix servers using Ansible.
* Application monitoring configurations – setting up the Kibana, Logstash, Grafana, App Dynamics monitoring.
* Developing and maintaining the continuous integration and deployment pipelines using Jenkins, Git, Maven, JFrog, Ansible.
* Written the Ansible YAML scripts to configure the remote servers.
* Jenkins CI/CD Pipeline configuration using declarative pipeline for each stage of deployment.
* Experience in automation of manual tasks & processes enabling better governance and compliance using Python.
* Experienced in working with several python frameworks such as Django and Flask.
* Working Knowledge of object-relational mapping (ORM)

**Environment**: Amazon AWS, Azure, Git, Jenkins, Azure DevOps, Terraform, Ansible, Dockers, Kubernetes, Kibana, Prometheus, Grafana, ServiceNow.

**Client: Lenovo, Bangalore, India Sep 2016 – Apr 2020**

**Role: DevOps Engineer**

**Responsibilities:**

* Automating, Configuring and deploying instances on AWS, environments and, also familiar with EC2, Cloud watch, Cloud Formation and managing security groups on AWS.
* Manage the lambda function to trigger them through the CloudWatch rules and publish them to SNS topic.
* Deploying the ECS using Cloud Formation template on fargate and ec2.
* Deployed service like ec2, vpc, vpce, s3, API using CFT’s, Good experience in working designer in yaml with CFT’s.
* Configured API using CFT’s and worked with different type of API endpoints like edge-Optimized, Regional Endpoints.
* Worked on functions in Lambda that aggregates the data from incoming events, and then stored result data in Amazon DynamoDB
* Managed GitHub repositories and permissions, including branching and tagging
* Good Hands-on experience with Kubernetes. Worked on 3 node and 4 node cluster for deploying the pods in yaml.
* Created resources and methods for the Regional and Edge-Optimized API endpoint, Updated the Integration requests to use lambda function.
* Strong knowledge of the HTTP protocol and ability to understand decipher the HTTP conversation.
* Software versioning, manage source code, software builds and defect tracking on all software maintenance tasks and projects.
* Deployed JAR, WAR, EAR and J2EE applications on Apache tomcat server using Jenkins auto deployment.
* Expertized in using JIRA software with Jenkins and GitHub for real time bug tracking and issue management.
* Pushed images to the ECR using the Jenkins jobs to be available for to deploy and using it for Containers.
* Maintained build scripts using Maven and Gradle to perform build efficiently, Deployed jar files using maven scripts to servers.
* Developed Python and shell scripts for automation of the build and release process.
* Experience in the design and implementation of Continuous Integration, Continuous Delivery (CI/CD) , Continuous Deployment and DevOps processes for agile projects using Jira.
* Created Python scripts to totally automate AWS services which includes web servers, ELB, Cloud Front distribution, database, EC2 and database security groups, S3 bucket and application configuration.
* Created Docker images using docker file, worked on docker container snapshots, removing docker images and managing docker volumes.
* Developed Git hooks for the local repository, code commit and remote repository, code push functionality and Git hub.
* Identify, troubleshoot and resolve any issue related to deployment, resolving the issue related CFT’s.
* Worked and supported several java applications to migrate to Jenkins.
* Worked with manually stopping the ECS container, updating the task definitions, and monitored using cloud watch
* Managed both Docker and ECR repository to maintain the images for the deployment.
* Used Jenkins pipelines to drive all micro services builds out to the ECR and then deployed to ECS
* Used Kafka to collect Website activity and Stream processing
* Used Replica service scheduler type for the fargate launch in ECS also used ALB for autoscaling purpose.
* Good hands-on experience in setting up the application ALB, target group to attach the ec2.
* Setting up the build and deployment automation for Java base project by using JENKINS
* Worked software life cycle like Build/Release/Deploy and specialized in cloud automation through open-source DevOps tools like Jenkins.
* Invoked lambda function to pull the expiry certificate and attached the sns to the lambda to send out an email notification.
* Worked on monitoring the cloud trails logs related to account level activity using the proper API calls.
* Amazon IAM service enabled to grant permissions and resources to users. Managed roles and permissions of users with the help of AWS IAM.
* Initiating alarms in CloudWatch service for monitoring the server’s performance, CPU Utilization, disk usage etc. to take recommended actions for better performance.

**Environment**: Aws (EC2, S3, AWS CLI, Route 53, Application LB, VPC, VPCE, Sg,), Jira, Lambda (python 3.8,3.7), ECS/EKS ECR, Jenkins (CI/CD), Bit Bucket, Kubernetes, Kafka

**Client: Metlife, Bangalore, India Sep 2013- Sep 2016**

**Role: DevOps Engineer**

**Responsibilities:**

* Supported the build team with build issue & doing changes to the templet and cloning the server from templet.
* Worked with tagging the bags, adding recipes to the servers using knife node and also from the GUI.
* Experienced in Amazon Web Services cloud platform and services like Lambda, DynamoDB, EBS, ELB, AMI, Cloud Front, CloudWatch, Ops Work SNS, Glacier, Auto-Scaling, IAM, Route53, EC2, S3, RDS, VPC, VPN, Security-Groups, , and through AWS management console.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Involved in installing Jenkins on Linux machines and created master and slave copy and setting up the Jenkins for each project.
* Proficient working with TCP/IP, DNS, DHCP, NFS, NIS, NIS+, , LDAP, SSH, SSL, SFTP, SMTP, SNMP, SAN.
* Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Created AWS computing instance Services like EC2 and Amazon Elastic Load Balancing in AWS Cloud.
* Worked on using a Git branching strategy that included develops branches, feature branches, staging branches and master. Pull requests and code reviews were performed
* Configured the AWS ALB to route the traffic from target group to right targets on AWS ECS
* Helped individual teams to set up their repositories in bit bucket and maintain their code and help them setting up jobs which can make use of CI/CD environment.
* Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Provision AWS Storage via AWS S3 for various computing groups within our environment.
* Made use of Launch Configurations for repeatable EC2 Auto Scaling Templates.
* Created VPC network, Initiated VPC Peering Connections for those VPCs authorized to talk amongst each other.
* Created snapshots to take backups of the volumes and images to store launch configurations of the EC2 instances
* Managed highly available and scalable DynamoDB, Used Amazon dynamo DB to store data of reporting Application
* Experienced with installation of AWS CLI to control various AWS services through SHELL/BASH scripting.
* Experience in creating manifest files for creating pods, deployments, services, network policy in Kubernetes.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Creating Docker images from RHEL Linux as per requirement of the product/service and storing those Docker images to the Repository.
* Experience in working with network policies using pod selectors and working with different type of services such as cluster IP, Node Port and Load Balancer.
* Established efficient processes and scripts for change management with the aid of Chef.
* Involvement in Creating Docker Containers utilizing existing Linux Containers, Virtualized the servers utilizing Docker for the test situations and dev-conditions needs.

**Environment**: Linux (SLES 9/10/11, RHEL 4.x,5.x, 6.x), Solaris 9/10, VMware ESXI 5.5, 6.0,6.5, AWS (ELB, Rout 53, Cloud front, cloud watch, Cloud formation, EC2, VPC, NAT) VMWare servers, and Apache, Kick start, Git, Jenkins, Chef, Docker, Kubernetes, Jira.