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**Desk : 980 304 3817**

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**Summary:**

* IT professional with 9+ years of experience in Cloud/DevOps engineering, Container Orchestration, Build/Release Management, Linux administration, Agile operations, and Management in all SDLC and Cloud implementation phases. knowledge of Git, Maven, Jenkins, Docker, Azure DevOps, Azure Kubernetes, Azure, Aws, and Terraform.
* Worked on Azure networking, Storage, VM provisioning, ASR, RBAC, NSG, Az Copy, Ad, and Roles.
* Experience with version control technologies such as Git, Azure Repo, and GitHub.
* Practical knowledge of using the Build Tool Maven to create project artifacts.
* Experience using various Jenkins Plug-ins to support building, deploying, and automating the Project.
* Experience with utilizing the Jenkins Ci Tool to automate a build process.
* Experience in Code Quality analysis tools like SonarQube by using Jenkins.
* Experience in container vulnerability scanning tool anchor, Twist lock, and integrated with Jenkins.
* Experience in implementing Master-Slave architecture in Jenkins using JNLP and SSH.
* good familiarity with the TomcatServer artifact deployment process.
* Experienced in controlling Docker volumes, uninstalling images, and using the Docker container and Docker Compose.
* worked on Axway API Management deployment into AKS and containerization.
* Experience with Azure Kubernetes Services, Acr, Azure Key Vault, and Azure VMs.
* Configured/Created Azure DevOps pipelines for the creation of Docker images and Kubernetes deployments in Aks.
* Proficient in Azure Landing Zone design, implementation, and optimization.
* Configured Azure Kubernetes Clusters using Terraform.
* Configured and deployed Cassandra3-node Cluster on multiple environments.
* Configured and deployed File beat for exporting logs to Axway Embedded Analytics.
* Experience in setting up Axway API Monitoring and health dashboard on Axway Embedded Analytics.
* Created Load Balancers for EC2 instances within VPC, Adding Instances to launch configuration to make online service highly available.
* Experience in setting up multi-AZ RDS instances for High Availability.
* Experience using GCP's cost management tools like Cost Explorer and Budgets for effective financial governance.
* Designing and maintaining Redshift database schemas for data warehousing and analytics purposes.
* Experienced DevOps teams to establish ci/cd pipelines using Azure DevOps, enabling automated application deployment and continuous integration within Landing Zones.
* Integrated GCP into ci/cd workflows, including automated deployments and testing with Jenkins, GitLab, or other ci/cd tools.
* Experienced with Windows and Linux for business.
* Working knowledge of Setting up monitoring using Cloud Watch Alarms.
* Experience with Confluence, Jira, and Service Now.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Cloud Platforms** | Azure, Aws, GCP. |
| **Version Control Tools** | Git, Bitbucket, GitLab, GitHub. |
| **CI/CD** | Jenkins, Bamboo, Hudson. |
| **Configuration Automation Tools** | Ansible, Chef, Puppet, Terraforms. |
| **Container Platform** | Docker, Kubernetes, OpenShift. |
| **Monitoring Tools** | Nagios, Splunk, Grafana, Prometheus, Cloud Watch, Datadog, New Relic. |
| **Languages** | Python, Shell scripting, Bash. |
| **Artifactory** | JFrog and Nexus. |
| **Web Servers** | Nginx, Apache HTTP, Tomcat. |
| **Operating Systems** | Linux, Unix, Ubuntu, Windows. |
| **Build Tools** | Ant, Maven, Gradle. |
| **Code Scanning** | SonarQube, JFrog X-ray, ECR Inspector. |
| **Databases** | RDS, Cosmos DB, MySQL DB. |

**Work Experience:**

**Fiserv, Frisco, TX June 2022 - Present**

**Sr. DevOps Engineer**

**Responsibilities:**

* Extensive experience with Virtual Machines, Storage accounts, App Services, Virtual Networks, Azure SQL databases, Data lakes, Data Factory, Blob Storage, Services Bus, Functions Apps, Application insight, and Express Route configuration and provisioning.
* Worked on Migrating .NET and Angular Web Applications running in On-Prem Windows Virtual Servers to Azure Blob Storage Azure Kubernetes Services and Azure App Services.
* Deployed .NET, Python, Java, and NodeJS Applications into Azure Function Apps using Blob Storage Trigger, Http Trigger, and Service Bus Trigger.
* Responsible for defining Service Principal, Managed Identity, and providing Azure RBAC using pre-defined permissions or creating Azure Policy
* Define Secrets, and Certificates in Azure Key Vault and Provide Vault Access Policies to Resources or Service Principals.
* Deployed Distributed Microservices Application into Aks by Setting up the Azure API Management for API traffic management and Load Balancing using Azure Traffic Manager for Blue/Green Deployments.
* Responsible for Provisioning Aks Cluster, Adding RBAC Policies, setting up Node Pools, and Upgrading Kubernetes Version
* Defined Branching Strategies and Deployment Strategies as part of best practices and took care of Build and Release Management of multiple applications.
* Defined Projects in SonarQube and Integrated Ci/Cd Pipeline with SonarQube by setting up API Key and Sonar Properties and checking Quality Gates.
* Integrated Pipelines with Trivy Container Scanning Tools for Vulnerability Check and CodeQL Scanning.
* Provisioned Persistence Volume Storage Class to mount config and logs into Pods using Persistence Volume Claims
* Hands-on Experience defining Inbound and Outbound rules and associating them with Subnet and Network Interfaces to filter traffic to and from Azure Resources, as well as creating Azure Key Vault to store certificates and secrets.
* On-premises Sql database servers' data was moved to Azure Sql database servers using Self
* Hosted Integration Runtimes and Azure Data Factory Pipelines made with the Azure Data Factory copy

tool.

* Ci/Cd pipelines were created and maintained using Azure DevOps across multiple environments to support automated and repeatable agile development processes. This allowed teams to safely deploy code using Yaml scripting in Azure App Service, Azure Function Apps, and Azure Kubernetes Services (AKS).
* Created Shared Templates in Azure DevOps Pipelines and integrated Variable Groups with Azure Key Vault for sensitive Configuration.
* Migrated Containers running on OpenShift (3.9) On-Prem Clusters to AKS Public Cloud
* Implemented Azure Cloud services into safe VNETS and subnets and created Network Security Groups (NSGs) to control access to and from Network Interfaces (NICs), Virtual Machines (VMs), and Subnets.
* Well-versed in automating Infrastructure using Azure CLI, monitoring, and troubleshooting Azure resources with Azure App Insights and Azure Monitor, setting up Alerts, and Configure Metrics
* Responsible for setting Azure Landing Zone leveraging Cloud Adoption Framework across Subscriptions.
* Created Common ServiceNow Incident Creation API and Email Notification API and deployed using Azure Function App and Logic Apps
* created and maintained secure network borders for data by configuring and maintaining Azure Storage Firewalls and Virtual Networks, which employ Virtual Network Service Endpoints to enable network administrators to specify network rules that only permit traffic from V-Nets and subnets.
* Integrated Snowflake Data Warehouse with Azure Data Factory and Databricks for Cloud ETL, setting up Linked Services, Dataset, and Integration Runtime.
* Implemented and provided Single Sign-On (SSO) access to applications by registering Apps in Azure AD by using MSAL Library.
* Using Git as an Scm tool with Azure DevOps Repos, Bitbucket, and GitHub Enterprise Server, enabling Branch Security and Policies
* Migrated Repos from GitHub Enterprise Server to GitHub Enterprise Cloud using the migration.
* Worked on Integrating Azure-DevOps Boards with Microsoft Teams and Pipelines for Notifying Sprint Boards and Teams respectively.
* knowledgeable about setting up load balancers, NAT rules, virtual networks, subnets, and VM scale sets using Terraform templates. ExpressRoute connections were enabled by configuring BGP Routes between on-premises data centers and the Azure cloud.
* Performed Azure Scalability configuration that sets up a group of Virtual Machines (VMs) and configures Azure Availability and Azure Scalability to provide High Application Availability and can automatically increase or decrease in response to demand.
* Working on a migration project from On-Premises to Microsoft Azure, contributing to Platform Services Deployment, Including Architecture, Provisioning, Configuration, and Product deployment in the Microsoft Azure cloud platform.
* Successfully migrated on-premises workloads to Azure Landing Zones, optimizing resource utilization and reducing operational costs by 25%.
* Deploy Microservices to Ask using Azure DevOps Pipeline/Jenkins using Helm Charts.
* Integrated Azure Log Analytics with Azure Virtual Machines (VMs) so that problems can be tracked, stored, and resolved while investigating their underlying causes.
* created and put into use fault-tolerant, available Azure Landing Zones by utilizing Azure Site Recovery, Availability Sets, and Availability Zones for disaster recovery preparation.
* Using ci/cd Azure DevOps, PowerShell runbooks were created and distributed to Automation Accounts. Additionally, scripts were created to locate Users who had not accessed Azure DevOps in more than 90 days by making API calls to Azure DevOps.
* Have Worked on Setting up Azure Monitor Dashboard for various Azure Services by enabling Diagnostic settings and writing queries in Log Analytics Workspace to send the logs to Azure storage accounts and stream the logs to Azure Event Hubs.

**Environment:** Azure, Terraform, Kubernetes, Azure DevOps Pipeline, Ansible, Shell, Python, Linux, Mysql, Jenkins, Apache Tomcat 7. x, Docker, NoSQL, Arm, Virtualization, Kubernetes, Nagios, Splunk, Nginx, LDAP, JDK1.7, XML, Git, Maven

**USAA, House, Tx Sep 2020 – May 2022**

**DevOps Cloud Engineer**

**Responsibilities:**

* worked with Aws Elastic load balancing to deploy applications with high availability and has command-line experience with Aws cloud services, including EC2, S3, Rds, load balancing, and auto-scaling.
* Created Instances, Configured Security Groups, Internet Gateway, NAT Gateway with Elastic IP with Vpc and Public/Private Subnets.
* implementation of disaster recovery and high availability strategies using GCP's tools and services.
* Created Users, Groups, Roles, Policies, and Identity providers in Aws using Identity Access Management for improvement in login authentication.
* Worked with Control Towers, Landing zones, Aws organizations and Set up Guard Duty and WAF Rules as part of Security Standards.
* Developed templates for Terraform and Aws Cloud Formation to generate personalized VPCs, subnets, Nat, EC2, S3, and Eks.
* involved in migrating on-premises workloads to GCP, detailing migration strategies, planning, and execution.
* Designed Enterprise Architecture with Route53, CloudFront Distribution, Static Website into S3 bucket, Elb Routing to Auto Scaling Group with Ec2 Targets and Rds Postgres as Database
* monitor and fine-tune Redshift clusters to meet performance and scalability requirements.
* Integrated Route53 with API Gateway and Configured Routes to Lambda Functions for Http/Https Trigger
* Collaborated with the Gcp Cloud Platform team to design, build, and maintain cloud infrastructure for deploying analytics and data science platforms.
* Created Terraform Modules for Virtual Network, EC2, S3, API Gateway, Eks Cluster, and Release Tags into GitHub Enterprise Server Repos
* Written Terratest End to End Test cases against Terraform Modules
* Worked with Python Boto3 and Pandas Library, Integrated with Aws Services, and Deployed code to Lambda.
* Created ci/cd Pipelines using Jenkins and GitHub Actions for Application deployments and Infrastructure Deployments
* Integrated ci/cd Pipelines with SonarQube, Terratest, and E2E Test Cases
* Responsible for Build and Release Management of Applications using Jenkins, GitHub Actions
* Experience in configuring Amazon Redshift clusters, including node types, distribution keys, and sort keys to optimize query performance and resource utilization.
* Aws Lambda functions were created, and roles were assigned to run Python scripts. Event-driven processing was handled by Aws Lambda using Java used the Aws Cli to create Lambda jobs and configure roles.
* Experienced with Google Kubernetes Engine (GKE) or other container orchestration solutions on GCP.
* Created Ansible playbooks with Ansible roles and configured the Ansible control machine. Ansible inventories were created to automate continuous deployment, and Yaml scripts were used to write playbooks.
* Demonstrated expertise in GCP's cloud-native technologies, deploying applications, and provisioning infrastructure.
* Ansible configuration management system was installed and put into use. managed Web applications, Users, Services, Resources, Mount points, Packages, and Environment configuration Files using Ansible.
* Using Terraform and Cloud Formation, I provisioned highly available EC2 instances and wrote new Python scripts to support Terraform’s new features.
* monitored and maintained the health and performance of GCP resources, potentially using Stack driver or other monitoring tools.
* Led a successful migration project for a legacy on-premises infrastructure to Aws Landing Zones, resulting in improved scalability and reduced maintenance costs.
* Utilizing Terraform, I installed Ansible playbooks in the Aws environment and generated Ansible roles through Yaml. Tomcat servers' maintenance and configuration were done using Ansible.
* Configured the Continuous Delivery (CD) pipeline using Ansible playbooks. Jenkins is the main software component used to run packages, and the other software components come from the Maven build tool.
* Managed director structure management, container management, attachment to an active container, image removal, and Docker container snapshots. developed packages inside of containers updated the Docker registry and committed those containers using commands from both Docker and the Docker file.
* Used Kubernetes to create clusters and worked with YAML files to create numerous pods, replica sets, services, deployments, labels, and health checks. creation of Ansible playbooks for Kubernetes cluster automation.
* Installed and configured Jenkins used it as a Continuous Integration tool to link Jenkins's master to several build slaves and built Java applications with Ant and Maven.
* Installing and managing SonarQube for code quality checks and Nexus repository for producing reports for various projects fall under this responsibility. Moreover, Jenkins was integrated with SonarQube and Nexus.
* Managed and configured Nexus Repository Manager and Artifactory and used Maven as a build tool to create deployable artifacts from source code, such as war and jar.
* Wrote Python Modules and Integrated with Ansible Playbooks/Roles.
* Quickly deployed vital apps, proactively managed changes, and automated repetitive tasks using Ansible and Ansible Tower, a Configuration Management tool knowledge of inventory files, group variables, and Ansible roles in managing Ansible Playbooks; ability to use the file module to copy and remove files from remote systems.

**Environment:** Aws Lambda, Kubernetes, Docker, Jenkins 2.0, Apache, Nginx, Ubuntu Linux, VMware ESX, Python, Git, Gitlab, Bash, Ruby, Groovy, Yaml, SonarQube, Terraform, Ansible, Agile/Scrum, SDLC.

**DTE Energy, Detroit, MI Apr 2019 to Aug 2020**

**DevOps Engineer**

**Responsibilities:**

* Participates in build and deployment automation and migration processes for DevOps systems.
* Helped clients implement build and release management by offering advice and recommendations.
* Developers used Scm/Build tools to assist in the resolution of any problems relating to SCM/Builds, including branching, merging, tagging, compilation errors, and merge conflicts.
* Playbooks for Ansible were utilized for provisioning virtual and physical instances, managing configurations, and applying patches via Ansible.
* I was part of an agile development team that created a complete ci/cd product using open-source tools like Puppet and Jenkins.
* Used Chef to configure and keep an eye on multiple platforms and distributed servers.
* Worked on Aws to deploy EC2 instances with a variety of flavors, including Ubuntu, Rhel, Oracle Linux, CentOS, and Solaris on both Windows and Linux.
* Experienced in using advanced Postgres Sql/Mysql features like table partitioning and different types of Oracle indexing.
* Configured Datadog dashboards and alerts to enable proactive monitoring of critical metrics, such as CPU and memory usage, network traffic, and error rates, resulting in faster issue resolution and improved system reliability.
* Experience in designing, deploying, and providing operational support for RedHat OpenShift infrastructure.
* Developed and designed applications using object-oriented languages like Python, Java, C++ C#, and Swift.
* Work experience in Net applications, including branching, tagging, and releasing projects using version control systems such as Git.
* Oversaw administrators, Splunk-related problems, and assigned systems maintenance.
* Managed Docker containers and Kubernetes clusters using the OpenShift platform.
* Designed and oversaw the deployment of Perl and PowerShell scripts for Tomcat application servers.
* Completed and implemented builds for diverse environments, including production, QA, integration, and UAT.
* The duty of conducting security scans, tracking, reporting, and reproducing defects using SonarQube, Bugzilla, and JMeter.
* Manage releases to make sure the code goes live with Quality and security.

**Environment:** Java, Maven, Ant, Gradle, groovy, Git, Jenkins, Ruby, Splunk, Ci/Cd, JMeter, Tomcat, Python, SonarQube, Bugzilla, OpenShift, Shell and Perl Scripts, MySQL, Ansible, PowerShell, Nexus.

**Synechron, San Mateo, CA Feb 2017 to March 2019**

**DevOps Engineer**

**Responsibilities:**

* Extensive experience in designing ci/cd solutions using Jenkins from scratch.
* Installation, Configuration, Design, and Administration experience with Jenkins Continuous Integration Server. I am also familiar with integrating Git, Jira, and Artifactory with other tools.
* In charge of overseeing GitHub repositories hosted in-house and Git administration. Examine and fix compilation and deployment issues pertaining to source code development and building.
* As a Jenkins Admin responsible for creating & and configuring Jenkins jobs regarding snapshots and Ci for the Projects.
* Responsible for creating Builds and Deployments. Taking the source code and compiling using Maven and packaging it in its distributed format, such as a Jar, War, and EAR.
* Fully automating the development, management, deployment, and monitoring of servers across various platforms, utilizing DevOps tools and technologies such as Jenkins Nodes/Agent, Scrum, and Agile projects.
* Creating Jenkins jobs to perform build, code analysis, test, and deployment.
* Troubleshoot and fix the errors that arise during the build phase and provide technical support for the devolvement team regarding the issue.
* Deployed system stacks for various environments such as Dev, Test, and Prod for both on-premises and cloud Infrastructure.
* Performing Horizontal and Vertical auto-scaling in Kubernetes cluster based on the demand.
* Good experience with Terraform Cloud Infra Provision tool.
* Made a Cloud Formation Template to be used in the current environment for key services like EC2, VPC, and S3.
* Collaborated with IAM to administer users and groups through IAM, allocating distinct roles and policies to every user and group in accordance with needs.

**Environment:** Terraform, IAM, EC2, Vpc, S3, DEV, Test, Prod, Build & Release, Maven, Git, Jenkins, and Scrum.

**Walmart, Minneapolis. Nov 2015 - Jan 2017**

**Role: DevOps Engineer**

**Responsibilities:**

* Daily administration of Rhel versions, patch loading, and server troubleshooting fall under this responsibility. Conducted the Linux upgrades (Rhel 5, 6, Suse 10, 11, Centos 5, 6)
* Hardware and operating system maintenance, such as memory module replacement and disk drive replacement. created repository files for offline servers and used YUM and RPM to manage and install software packages.
* Installing and setting up send mail, controlling users and groups in Active Directory, and adding servers to the domain. solving problems with the system and end users.
* Red Hat Linux installation on SPARC platforms running Solaris 9 and 10 and x86 hardware such as Dell and Hp.
* Extensively used SMF for service management for managing services on Solaris 10. Supported Oracle DB and Oracle RAC on Red Hat environments.
* In charge of setting up web servers' real-time backups. The log file was maintained for errors and possible troubleshooting.
* Perform Linux and Unix Kernel tuning for web, database, and application servers.
* Configured hands-free installation using Kick Start and PXE. Participated in upgrading and migrating 4.x 5.x and 6. x Linux.
* In charge of the servers' database and network operation. network configuration and server fine-tuning for peak performance.
* Configure a Squid Proxy Server to block unwanted websites and allow internet sharing. In charge of resolving connectivity problems between different software components and servers.
* Oracle and Db2 Server installation, upkeep, and administration on Linux servers.
* Monitoring Raid, multipath, file, hardware, memory, and physical disk
* Installed Jenkins and performed troubleshooting during installation to implement the Ci process for the Java application builds.
* Conducted lessons learned sessions after each release completion and noted the deviations, risks, and issues related to new or changed service and took necessary corrective action. Coordinate quarterly re-baselining efforts for pre-production database sync-ups.
* Participated in the full release project life cycle which involves deployments in various environments like QA/UAT/TRAIN/STG/PROD.

● Developed numerous Chef recipes and cookbooks to automate deployments and manage node servers.

**Environment:** Rhel, Windows, Shell Script, VMware servers, XEN, ESX, ESXi, WebSphere, Perforce, Splunk Enterprise Server 5. x, SVN, Windows 2003 server, Kick Start, Solaris.

**TATA AIG Insurance, Hyd, India Nov 2014 to Apr 2015**

**Linux System Administrator**

**Responsibilities:**

* The installation, configuration, and management of Solaris and RedHat/SuSE Linux operating systems.
* Worked in server migration using P2P, V2V, and P2v conversion.
* Server hardening. Remediating PCI/Audit requirements. Server Patching. Building out VM servers.
* Opening Cases with vendors as needed. Providing Root cause analysis for problems as needed.
* Moving Linux-based applications to different VDCs as required.
* Updating DNS entries and server team wiki documentation as needed.
* Creating/expanding NFS shares/adding/removing SAN disk/managing LVM.
* Providing on-call help as needed. Managing server inventory database.
* Installing operating systems on new hardware or virtual containers.
* Responsible for VM (Windows/Linux) Build Configuration including Storage.
* Knowledge of POD (Windows/Linux) Blade Build Configuration.
* Rackmount (L-RDH)-Server Build Configuration.

**Environment**: TFS 2010(Team Foundation Server), Git, Jenkins, Chef, Puppet, RedHat Linux 3,4.X,5,6, VMware ESX 3.5, Veritas Volume Manager.

**Info Track Systems Ltd, Hyd, India. May 2014 to Oct 2014**

**Software Engineer**

**Responsibilities:**

* Setting up newly launched instances for applications and utilizing Amazon Web Services to launch Amazon EC2 Cloud Instances (Linux, Ubuntu, and RHEL). Set up and maintain cloud-based infrastructure (Aws) using Terraform.
* Designed and implemented Security using Vpc, Iam, Security Groups, and Nacl.
* Configure the Elastic Load Balancer (ELB), which should be highly available by using a variety of subnets in a variety of availability zones, as well as configured security settings and application health checks.
* Made personalized AMIs.
* Configured Launch Configuration and Auto Scaling groups.
* Created Multifactor Authentication (MFA) for IAM Users in the organization.
* Creating the DB Server environments using RDS and performing Read Replicas, multi-AZ for High Availability, and Fault Tolerance.
* Created S3 buckets, created policies, customized the JSON template, and worked on IAM role-based policies. S3 Lifecycle Policies configured; cross-region replication enabled.
* Configured boto3-SDK and wrote Python scripts to automate the backup and snapshot of EC2 instances and store those snapshots on S3 buckets.
* Configured Sns Notifications whenever new instances were launched by using Auto Scaling.
* Removing unused Amis and older Snapshots by using Boto-3.
* Jenkins created and oversaw Aws Cloud Watch alerting and monitoring for corporate and production servers and storage.

**Environment**: Aws Cloud, Rds, Iam, S3, Sdk, Json, ec2, Elb, vpc, nacl,Terraform, Linux.

**Education: Bachelor’s in computer science,2014**