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Passionate OCI DevOps Cloud Engineer

DevOps Cloud engineer with 5 years of experience in Designing and managing highly available cloud application environments. Passionate about technology and eager to be an industry family to contribute to growth and deliver results.

Work Experience

OCI DevOps Cloud Engineer
CLOUDVICE

March 2024 - Present
Bangalore

Design, and deploying the Oracle Cloud Infrastructure solutions based on business requirements. Implement and maintain cloud infrastructure services such as compute instances, storage, networking, and databases etc on OCI. Develop automation scripts (using Shell script, Terraform, or similar tools) to automate provisioning and management tasks. Implement Infrastructure as Code (IaC) practices to ensure repeatability and consistency of deployments

Senior DevOps Engineer (OCI)
Oracle India Pvt Ltd

January 2022 - January 2024
Bangalore

Designed and implemented ORACLE CLOUD INFRASTRUCTURE for multiple
Managed day-to-day operations of OCI environments, including provisioning, configuration, and maintenance of cloud resources.
Implemented security measures and compliance controls to ensure data protection and regulatory adherence.
Troubleshot and resolved cloud infrastructure issues, reducing downtime and improving system reliability.
Created and maintained detailed documentation on cloud architecture and procedures for knowledge sharing and operational consistency
enterprise clients and implemented CI/CD pipelines using Jenkins.
Designed and implemented highly scalable and available Kubernetes clusters on
Collaborated with development teams to design and implement continuous
deployment pipelines
Conducted security audits and implemented security controls to maintain
Provided technical guidance and training to teams on OCI best practices and security policies
Confidentiality, Integrity and Availability of the systems
Designed and implemented scalable OCI solutions, including compute instances, storage, and networking components.
Automated deployment processes using Oracle Cloud Infrastructure Resource Manager (ORM) and Infrastructure as Code (IaC) tools such as Terraform.

Monitored and managed OCI resources using Oracle Management Cloud and OCI monitoring tools to ensure high availability and performance.
Developed and executed disaster recovery plans, including backup and restore processes using OCI Backup and Recovery solutions
Worked closely with development teams to troubleshoot and resolve production
issues

DevOps Engineer
Nexamatic Software Solutions Pvt Ltd

December 2019 - December 2021
Bangalore

Managed and maintained Kubernetes clusters on OCI, On-premises and implemented CI/CD pipelines using Jenkins, Hands on experience in writing and modifying Terraform scripts for application deployments on OCI and for managing OCI Infrastructure.
Hands on experience performance tuning, hardware upgrades, and resource optimization as required. Configure CPU, memory, and disk partitions as required and ensure high availability of infrastructure.
Experience in Application of OS patches and upgrades on a regular basis and upgrade administrative tools and utilities. Configure/add new services as necessary.
Experience on Handling OS related or Application related security vulnerabilities is an added advantage.
Exposure to using code repository like GIT.
Hands on Experience with provisioning storage, compute nodes, network. and understanding requirements for the same.
Experience in Handling Certificate renewals on OCI
Managed and maintained Kubernetes clusters on GCP, implemented CI/CD
pipelines using Jenkins resulting in 60% reduction in deployment time
Conducted performance testing and optimized the infrastructure resulting in 30%
cost savings
Worked closely with development teams to troubleshoot and resolve production
issues

Education

2016 - 2019	**Chaudhary Charan Singh University** Computer Engineering

Skills

- Kubernetes Cluster
- Docker
- AWS
- Oracle Cloud Infrastructure

Languages

- English — Professional
- Hindi — Fluent
- Telugu — Native or Bilingual
- Kannada — Professional

- Fusion applications warehouse
- Shell Scripting
- Bash/Shell
- Linux System Administration
- ubuntu
- Red Hat Enterprise Linux
- ansible
- Terraform
- Ansible Automation
- Tomcat Web server
- Maven/Gradle
- WebLogic
- Nginx
- Windows
- Mac OS
- ADE
- Github Actions
- Oracle Digital Assistance
- Oracle Process Automation
- Oracle SQL Developer
- Jenkins CI/CD integration
- Communication
- PowerPoint

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Achievements / Awards

- Successfully Led migration of On-premise system to Kubernetes Clusters
- Successful Migration On-premise to Oracle Cloud Infrastructure
- Oracle Cloud Excellence award in 2023
- Oracle Cloud Best contributor Award in 2024

STRENGTHS

- Cloud infrastructure design, Designed and implemented cloud infrastructure for multiple enterprise clients
- Cloud migration OCI, Successfully migrated all the Onprem applications / AWS to the OCI (Oracle cloud infrastructure)
- Problem-solving quickly identified and resolved complex issues in Cloud and applications, resulting in a 50% reduction in incident resolution time
- Collaboration Collaborated with cross-functional teams to successfully migrate On-prem systems to OCI (Oracle cloud infrastructure)
- **High-Availability Architecture Design**
  - Designed and implemented a high-availability architecture on OCI, including load balancing and fail over mechanisms, to ensure continuous service availability.
  - Configured OCI Monitoring and Alerts to proactively manage system health and performance

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Roles & Responsibilities

- Deployed and managed Oracle Cloud Infrastructure resources, including Compute, Database, and Networking components, to support various business applications.
- Designed and deployed Scalable infrastructure on Oracle Cloud Infrastructure, including OCI Compute instances, Block Storage, and Virtual Cloud Networks (VCN).
- Implemented Infrastructure as Code (IaC) using Terraform and Oracle Resource Manager, enabling consistent and automated provisioning of OCI resources.
- Developed and managed CI/CD pipelines to streamline application deployments on OCI, resulting in a 35% reduction in deployment time.
- Configured OCI Monitoring and Logging services to track system performance and troubleshoot issues, improving incident response times by 25%.

- Collaborated with cross-functional teams to migrate legacy applications to OCI, enhancing performance and achieving a 40% reduction in operational costs
- Implemented OCI Identity and Access Management (IAM) policies to ensure secure access and compliance with organizational security requirements.
- Configured and monitored OCI services to maintain optimal performance, utilizing OCI Monitoring and Logging for proactive issue detection and resolution.
- Assisted in the integration of OCI services with existing on-premises systems, facilitating hybrid cloud deployments and improving system interoperability
- Experience in Shell Scripting & Linux Administration
- Responsible for designing and implementing CI/CD pipelines for a variety of Applications using Jenkins
- Well versed in maintaining the code base for each project using SCM tools like GitHub
- Worked with Java-based build tool Maven and has good knowledge of pom.xml
- Good Experience with ADE SCM Oracle tool.
- Experience of working with Nexus Antifactory Repository Managers for Maven builds
- Experience of Configuring and Deploying applications in Tomcat Application server
- Experience of using Apache & Nginx webservers for deployments and hosting Administration/Maintenance experience in CI/CD tool like Jenkins
- Configured and maintained Jenkins to implement the CI/CD process and Integrated the tool with Maven/Gradle to schedule the builds and automate the Deployment on the application servers using various plugins in Jenkins
- Experience in managing project environments like DEV, QA, UAT, TEST & PRE PROD for various releases and designed instance strategies
- Working experience in Docker Containerization tool and deployed applications using containers in various environments, like DEV, QA
- Expertise in Delivering Docker applications to Dev Team and QA team for testing.
- Dockerising the requirements.
- Good knowledge of AWS Cloud Administration, which includes services like EC2, S3
- Good Experience on Ansible Playbooks.
- Good Experience on Terraform.
- Good Experience on Kubernetes.
- Configuring and maintaining the source code management repository GitHub
- Managing Version Control GIT and automated current build process with Jenkins With proposed branching strategies to accommodate code in various testing cycles
- Configuring the Maven build tool for creating War, jar files, which are Automated through Jenkins
- Setting up Maven proxy repositories in Nexus Antifactory repository to download Dependency file projects using the Nexus proxy repository which is scheduled in Jenkins for continuous integration
- Responsible for creating Maven and building scripts for Java EE applications to Produce the build artifacts (.jar, .ear and .war) files from the source code and requirements tweak the scripts as per the requirements.
- Creating build and deployment jobs in Jenkins for various project modules
- Creating CI/CD pipelines scripts by integrating GitHub, Maven, Jenkins and more Administrating Jenkins CI/CD build engine for deploying, configuring, managing, Maintaining jobs as per project's requirements

- Configured automated builds like Poll SCM in Jenkins to meet the project's build Requirement Builds technique, which builds jobs in Slave machines and automates deployment in Specific environments based on pipeline script
- Docker proxy and pushing created Docker images containing applications to
- Docker hosted repository
- Creating Docker images embedded with (.jar, .war & .ear) applications with its Hardware and software dependency
- Maintaining a backup of the created Docker Image in the Nexus private repository and Deploying the containers in various environments using Docker - compose feature.
- Infrastructure as Code (IaC): Implement IaC using tools like AWS CloudFormation or Terraform to automate the provisioning and management of infrastructure
- **Provisioning and Managing AWS Resources**: Use AWS services such as EC2, S3, RDS, and others to provision and manage infrastructure
- Specializes in designing, implementing, and managing cloud infrastructure, often with a focus on AWS
- Implemented Infrastructure as Code using Terraform to manage and version AWS resources, ensuring consistent environments across development, staging, and production.
- Automated the deployment of microservices using AWS ECS and Lambda, reducing manual intervention and improving deployment reliability

Certifications

- Oracle cloud infrastructure 2023 architect associate
- Oracle Cloud Infrastructure 2024 Generative AI Professional Certification
- Oracle Cloud Infrastructure 2024 Certified Foundations Associate
- Oracle Cloud Infrastructure 2023 Certified Foundations Associate