Antony P

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Objective:

"Looking for a challenging role in a reputable organization to utilize my technical and management skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT sector. I am Passionate to learning new technology".

Summary:

Having 7 Years of IT experience, I am primarily an **OpenStack** based Edge Private Cloud Architect. Additionally, I am an "**AWS Certified Solutions Architect - Associate**" with hands-on experience in **DevOps** infrastructure. I have expertise in system administration and have used various automation tools to oversee the end-to-end deployment process.

Hands-On Experience:

- ✓ Designed, deployed, and maintained OpenStack-based cloud infrastructure for development and testing environments.
- ✓ Extensive experience on continuous integration, continuous deployment, continuous delivery, supporting Build Pipelines Release Management, configuration management and cloud computing.
- ✓ Configuration management using Amazon Cloud Formation, Continuous integration with Jenkins. Experience in version control and source code management tools like GIT.
- ✓ Worked with Ansible, implemented multi-tier application provisioning in AWS cloud, integrating it with Ansible.
- ✓ Experience on Ansible as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manage changes.
- ✓ Expertise in designing and implementing Computer layer, like Amazon Machine Image Design and customization, Automation Scripts.
- ✓ Experience on Dockers based container deployments to create self-environments for dev teams and containerization.
- ✓ Deployed JAR, WAR applications on Apache tomcat server using Linux Server.

Technical Expertise:

OpenStack:

✔ Managed and orchestrated visualized resources using OpenStack services like Nova, Neutron, and Cinder etc.
✔ Implemented Infrastructure as Code (IaC) practices with tools like Ansible to automate Edgebricks Edge Cloud deployment and configuration.
✔ Troubleshooted and resolved infrastructure and networking issues within the Edgebricks Edge Cloud environment.
✔ Collaborated with development and operations teams to optimize cloud resources and ensure high availability.
✔ Conducted regular system upgrades and patches to keep the Edgebricks Edge Cloud environment secure and up-to-date.

AWS – Amazon Web Service:

  Exposure to work with Cloud Computing technologies on AWS- Amazon web service. Strong Knowledge in AWS, IAAS, PAAS, SAAS services.

EC2: Creating Instances, EBS volume, Security Group, Managing AMI, snapshot, Load balancing, Auto scaling.

IAM: Creating and managing the IAM users, Group, Policies, Roles, MFA, managing Access key and Secret Key.

S3: Managing the S3 Bucket, managing the Bucket permissions, S3 storage, versioning, lifecycle, static web hosting.

VPC: Creating and managing the VPC and Subnets, Internet gateway, NAT, Peering connection, Routing Table.

RDS: Setup/Managing Databases on Amazon RDS.

DynamoDB: Setup/Managing Databases on Amazon DynamoDB.

CloudFormation: Creating, Updating, and Deleting resources on your AWS account using YAML.

Jenkins:
✔ Setup Continuous integration with Jenkins and make use of wide range of plugins available to setup smooth developer friendly workflows.
✔ Installing and managing the add-on plugins
✔ Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software life cycle and gets tested well enough before it can make it to the production.

Ansible:

✔ Setup Continuous integration with Jenkins and make use of wide range of plugins available to setup smooth developer friendly workflows.
✔ Installing packages to ansible clients.
✔ Pulling reports from Ansible Clients.
✔ Writing the playbook for ansible clients when we do multiple tasks.

Docker:

- ✔ Creating the docker container for hosting the application, which reduces some risk while comparing the Hypervisor virtual Machine.
- ✔ Pulling various images from Docker Hub and making them as a container as required.
- ✔ Installing packages to docker containers, transferring the required files from source machine.
- ✔ Handing multiple containers and backing up and restoring when required.Terraform:
- ✔ Efficiently code for building and versioning infrastructure against multi-cloud.
- ✔ Set up secure windows, Linux, and container infrastructure to advance performance
- ✔ Improve cloud platform for increased delivery speed and product flexibility
- ✔ Develop self-service infrastructure provisioning, delivery pipelines, log and monitoring services
- ✔ Create terraform file, init, plan, apply using terraform file.

Kubernetes:

- ✔ Creating PODS, ReplicaSets & services.
- ✔ Developing Micro Service architecture using docker images.
- ✔ Configuring Basic networking of Kubernetes.
- ✔ Kubernetes Management using kubectl.
- ✔ Create & Deploy YAML codes for Kubernetes.

Technical Skills:

AWS Services: VPC, EC2, EFS, EBS, RDS, DynamoDB, CloudFront, S3, SQS, SNS, SES, CloudWatch, IAM, CloudFormation, Aws Cost Explorer.

AZURE Fundamental: Virtual Machines, Azure Managed Storage, Azure Container Service,

Azure AKS, Azure Virtual Network.

Virtualization: VMware, Docker, ECS, Kubernetes, KVM.

Configuration Management: Ansible.

Language: Python Beginner.

Script: Bash Script.

Source Code Management: Git, GitHub.

Operating System: Linux, Windows, CentOS, Ubuntu.

Databases: MySQL, DynamoDB.

Web/Application Server: Apache Tomcat, NGINX.

Provisioning Tools: Terraform, CloudFormation.

DevOps Tools: Docker, Kubernetes, Terraform, Ansible, Jenkins, HOT Templates.

Experience:

Organization: Edgebricks Pvt Ltd, Bangalore.
Role: DevOps Engineer.
Duration: February 2023 – Present

➢ As a skilled DevOps engineer, I've orchestrated the creation of a robust Ansible playbook specifically designed to facilitate the effortless deployment of the advanced Edgebricks cloud solution. This meticulously crafted playbook streamlines the deployment workflow, guaranteeing a

hassle-free experience and enabling users to harness the complete potential of this state-of-the-art cloud platform effortlessly
➢ I created tailored OpenStack Heat Orchestration Templates (HOT) for the Edgebricks App Store, streamlining deployments and enhancing integration with your infrastructure, resulting in efficient edge computing management
➢ Designing and building an AI/ML pipeline on the Edgebricks cloud.
➢ Design, implement, and maintain our OpenStack infrastructure
➢ Collaborate with cross-functional teams to develop and deploy cloud-based solutions
➢ Monitor system performance and troubleshoot issues proactively
➢ Ensure system security and data integrity through proper backup and disaster recovery measures

Organization: MTL Computer Garden

Role: Junior DevOps Engineer

Duration: May 2016 – January 2023

➢ Works independently in troubleshooting and providing solutions to unresolved hardware and software problems through trouble-ticket system.
➢ Works closely with vendors and managed services to maintain systems and services, manage change, and deploy new systems and services.
➢ Knowledge of server and network communications equipment, protocols (i.e., DNS and TCP/IP), transmission media, security, and network management practices.
➢ In-depth experience with Amazon AWS Cloud Services, (EC2, S3, EBS, ELB, Cloud Watch, Elastic IP, RDS, SNS, SQS, SES, Glacier, IAM, VPC, Cloud Formation, Route53) and managing security groups on AWS.
➢ Installation and up gradation of OS, Kernel and additional Packages using RPM and YUM Knowledge in booting and shutdown procedure.
➢ Building, configuring, patching, upgrading, and troubleshooting physical and virtual Windows servers (rack mounts/blades, and Vms).
➢ Administration in O365, DLP, Anti-virus, MDM, Azure, IP Phone, VC Room, Minecast, Intralinks.
➢ Taking care of backup, off-site tape storage, inventory-asset management, IT Budget Management.
➢ Investigating, resolving, and closing user reported PC problems and application issues through our ticketing system.
➢ Supporting users in the use of computer equipment by providing necessary training and advice
➢ Installing, configuring, and deploying new PCs, laptops, Servers & Video Conference Room

Course & Certification:

1.AWS Certified Solutions Architect – Associate

  Validation Number : XZ7W8N1K5J4Q133V

2. KodeKloud – DevOps Pre-Requisite Course, Linux, Git, Bash Shell Script, Jenkins, Docker,

              Ansible, Terraform, Kubernetes, Jinja2.

3. Besant Technologies : Linux & DevOps Course.

4. UiPath – RPA Developer.

5. Diploma in Computer Hardware & Networking.

6. Diploma in Auto CAD.

7. IBM Watson Chat-bot Developer.

Education:

1. CSI Institute of Technology,

   Bachelor of Engineering,

   Electrical & Electronics Engineering.

2. M.J.K.M MSC HSS School,

   Maths Biology.

Personal Details:

Date of Birth: 10 – July – 1995.

Mother Name: Chandralekha.

Married Status: Single.

Language Known: English, Tamil, Malayalam.

Declaration:

 I hereby declare that all the details furnished above are true to the best of my knowledge.

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