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About Me:

- Technology is nothing, technology is changing rapidly, to work on a new technology, only learning attitude is required.
- have an attitude to learn while having fun.

EXPERIENCE SUMMARY

- DevOps Engineer with 3.8 years of experience in design, build and implementation of DevOps solution, CI/CD & infrastructure automation and support.
- Sound knowledge of Jenkins, Docker, GitHub, Kubernetes.
- knowledge of cloud technologies like AWS/AZURE.
- Sound knowledge of Ansible/Terraform.
- knowledge of Programming in C++/C# /Python/Java.
- Worked on many microservice based projects like INVENTORY-MANAGEMENT, Enterprise-Attendance-Management, Payroll-Management, Biometrics Data Management, HealthCare Management.
- Rest-Api Development, Test Driven development (TDD).
- knowledge of Database My-Sql/Ms-Sql Server/Oracle
- Knowledge of Azure Data Engineer technologies:
1.
    Azure Data Factory,Azure Synapse Analytics,Azure Synapse Apache Spark Pools,Azure Databricks, Azure Data Lake Storage Gen2,Azure Streaming Analytics,
2. SQL , Python, Scala

- Others: -
1. Kubernetes/Swarm
2. SonarQube/SonarCloud
3. PowerShell/Bash Script
4. Zabbix/Nagios
5. Apache/Jboss
6. VMware Virtualization/KVM
7. Linux 6/7/8
8. Git/Gitlab

Employment History

1. **HCL Technologies (DevOps Specialist), March 5 /2020 - Present (1 year 8 months)**

   Technology used : - Ansible, Terraform, AWS, AZURE, Kubernetes, Jenkins

   Shell Scripting , Powershell , Docker, GitHub

Currently handling 5 projects.

Ansible: In All Projects

- Ansible-ITSM tools integration like RemedyForce/ Servicenow/ ManageEngine.
- Infra automation by Ansible on linux/windows server like security patching, network configuration, software installation/upgradation etc.
- Ansible molecule for ansible runbooks testing, deployed ansible runbooks on docker images for testing, for example spin up one hundred docker linux OS images of different flavors/versions for testing linux-diagnostics runbooks
- Used Python/Ansible to write **TEST Cases** for Ansible(Molecule) Runbooks on docker.
- Automate tasks on Palo Alto Networks Firewalls.
- Managing docker containers.
- Kubernetes automation.

Terraform: For some Projects

- build infrastructure incrementally on Azure Cloud from simple VM to complex designs like load balancing across regions using Azure Traffic Manager.
- build Virtual Machine Scale Sets Manual and Autoscaling Profile concepts like default, recurrence and Fixed Time profiles with Terraform.
- build Azure Virtual Network 4-Tier design with Subnets and Network Security Groups.
- build Standard Load Balancer External and Internal with Inbound NAT Rules.
- build Azure Public and Private DNS Zones .
- build Azure Application Gateway usecases like Context Path Routing, Mutlsite Hosting, SSL, HTTP to HTTPS Redirect and AG Error Pages.
- implement Terraform Remote State Datasource concept for Load balancing across regions using Azure Traffic Manager and Azure Standard Load Balancer.
- Setting up a managed Kubernetes service (AKS) with terraform and deploy an app on it with Azure DevOps Pipelines.
- **deploy, manage, & integrate Vault Service.**

CI/CD: For In-House Work

- Using GitHub as SCM, Jenkins as CI tool. Azure AKS as Container Management.
- Picking Ansible playbooks from GitHub by Jenkins pipeline, Deploying on target hosts like Linux servers, Azure VMs eg. Jenkins deploy an "Oracle DB Client Ansible playbook" on 200 Azure VMs.
- CI/CD by using Jenkins pipelines, jenkins deploy Application like IAutomate ,Sql Server DB, Moogsoft etc on Azure AKS, after configuring AKS Cluster, Client can access these Applications.

Kubernetes: Azure AKS for some Projects

- Creating AKS cluster, Network and Namespace.
- K8s Secret Management.
- Azure Container Registry, Deploying Back-End API and Front-End.
- Ingress/Egress controller deployment with TLS/SSL.
- Horizontal pod autoscaler(HPA).
- Integrating AKS with Azure Monitor
- Deployments with Rolling-Updates, Rollback.
- Internal/External volume management.

Kubernetes: AWS EKS In Blue Yonder Project

Docker, EBS, RDS, CLB, NLB, ALB, Fargate, ECR, CloudWatch, Route53, Certificate Manager, X-Ray, Ingress, Autoscaling, SNS

Azure:

- Sound Knowledge of Azure Cloud.

2. **MegaMind Technosoft (DevOps Engineer), November 1 /2017 - November 1/2019(2 year)**

   Technology used : - Linux OS , WIndows OS, Python, Ansible,Docker, AWS, Jenkins , GitHub, My-Sql

• Product development using python, MySql as backend.
• Configuration management Linux/Windows Servers using Ansible
• Setting up Devops Framework for day to day microservices.

• Managing automation scripts for infrastructure provisioning, server configuration & application deployment on created instance.
• CI/CD configuration using Jenkins, Git, Docker to implement check in driven deployment and running deployment in various environment to speed up development & testing process.
• Setting Up AWS infra for client, Migrated current infra to AWS cloud completely
• Onboarding Python/java applications to client AWS platform by developing CI/CD solutions using Docker, Jenkins, Cloud Formation, ECR.

• Managing AWS services like

- IAM, EC2, Load Balancing, Auto Scaling, EBS, EFS, Route 53, RDS, ElastiCache, S3, CloudFront.
- RDS, Aurora, DynamoDB, Neptune, ElastiCache, Redshift, ElasticSearch, Athena
- Monitoring, Troubleshooting & Audit: AWS CloudWatch, CloudTrail
- AWS Integration & Messaging: SQS, SNS, Kinesis
- AWS Serverless: AWS Lambda, DynamoDB, API Gateway, Cognito
- AWS Security best practices: KMS, SSM Parameter Store, IAM Policies
- VPC & Networking in depth
- AWS Other Services Overview: CICD (CodeCommit, CodeBuild, CodePipeline, CodeDeploy), CloudFormation, ECS, Step Functions, SWF, EMR, Glue, OpsWorks, ElasticTranscoder, AWS Organizations, Workspaces, AppSync, Single Sign On (SSO)

• Worked as a team member.

Other Work Experience: Freelancer(3 year)

1. Worked As a C++/.Net (Freelancer) for Third party Companies and UPWORK.COM-   2014-2017

Market-Research Survey: Created survey applications in C++ for many Market-Research based clients.

Ebookee – Architected Framework using latest Microsoft technologies: MVC, Entity Framework, JQuery, SQL Server 2012, Crystal Reports, XML, XSLT and HTML. ⏺ Developed Listings Management System for Yellow Pages Travels, USA, used by YPT to manage/assign/import/export Listings.

Affiliates: It is a marketing system. Affiliates subscribe to the system in order to take advertisements from it and publish on their websites. The main module developed by me in this system is named "web-code" module. Which helps in tracking a user who clicked an advertisement from the affiliate website and converted it into a lead so the system can know from which affiliate lead was generated.

VistaSuite : Developed web application and APis in Asp.Net Core for Aviation industries for asset preservation and planned maintenance, RFQ and quote management, inventory control.

1. Extensive Client site experience where I actively participated in meetings with business analysts, Leadership, Stakeholders and Business users, for requirement gathering; analyzed the business requirements, Translated the business requirements into a form that can be used for technical design of the system – using tools like UML.
2. Involved in the full life cycle of this project (Analysis, Design, Implementation and Testing) by working directly at client's location.
3. Designed Framework / Boilerplate
4. Worked in React JS framework to develop the SPA.
5. Worked in React.js for creating interactive UI's using One-way data flow, Virtual DOM, JSX, React Native concepts.
6. Architected Framework using latest technologies: .Net Core, MVC, Entity Framework,React.js, Angular.js, Node.js, MongoDB.

Technical Certifications: -

Hashicorp Certifications:

- Terraform Associate

Azure Cloud Certifications: -

- AZ-104: Microsoft Azure Administrator
- AZ-204: Developing Solutions for Microsoft Azure
- AZ-303: Microsoft Azure Architect Technologies
- AZ-304: Microsoft Azure Architect Design
- AZ-400: Microsoft Azure DevOps Solutions

Microsoft C#.Net Certifications: -

- 70-536 : Microsoft .NET Framework – Application Development Foundation
- 70-526 : Microsoft .NET Framework – Windows-Based Client Development

- 70-548 : PRO: Designing and Developing Windows Applications by Using the Microsoft .NET Framework
- 70-528 : Microsoft .NET Framework – Web-Based Client Development
- 70-547 PRO: Designing and Developing Web-Based Applications by Using the Microsoft .NET Framework

Certificate of Participation: -

- RHCSA(Red Hat)

Education Details

- MCA from IGNOU.
- GNIIT(Software Engineering) 3 year diploma from NIIT .(Won 2 times CODATHON (coding tournament))
- B.A from Delhi University.
- Senior Secondary Qualification (10+2) from CBSE.
- Matriculation from CBSE.