Abhishek Raj

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SUMMARY

1.Mid Level Devops engineer.
a.Design and implement robust scalable and secure azure cloud and aws cloud architecture that allign with buisness objective and best practices.
b.Cloud Strategy Deployment :collaborate with stackholder to devlop cloud strategies,including migration plans,and optimization of existing services.work closely with cross functional teams including development ,operations and security to support busness objective and technical requirnment .
c.Infrastructure management :Design,implementation and maintainannce of azure cloud infra ensuring optimal performance and security proven experience in managing azure and aws environment including IAAS,PAAAS AND SAAS.
d.Azure component susch as VM,AD,AZURE NETWORK ,AWS NETWORK AND security .
Performance optimization :analyze and optimizw workload for performance .reliability and cost efficiency ,leveraging azure native tools and services.
e.Monitoring and optimization:implementing monitoring solution to proactively manage system performance and reliability and optimize cost.

CERTIFICATIONS

- Executive PG Certification in Cloud Computing & DevOps from IIT Roorkee and Intellipaat In (AWS)
- Certified as an Azure Administrator from Intellipat
- Achieved Microsoft Certification in Azure Fundamentals (AZ-900)
- Successfully completed Managing Modern Desktops – MD-101 Certification
- Achieved Microsoft Certified Professional (MCP) Certification to demonstrate proficiency in Microsoft technologies.
- Successfully completed ITIL Foundation Certificate in IT Service Management
- Successfully obtained Dell Fundamental eSCLID02555 Certification
- Completed AWS Executive post graduate in cloud and computing from IIT roorkee

EXPERIENCE

August 2023 - Current
Senior Associate Consultant Ahead Db india Private Limited
Key Accountabilities:

1.Optimization of cloud,nfrastructure,ensuring reliability,scalibility and security across Multiple environment

2.Manage streamline deployment pipeline,manage infrastructure as code,and implement Devsecops best practices

- -Design and maintain CI/CD pipeline for streamlined build and deployment
- -Automate infrastructure using Iac tools (Terraform,Ansible)
- -Manage containerised deployment with Docker and Kubernetes.
- -Monitor and troubleshoot system performance using Modern logging and alerting Tools.
- -Ensure cloud infrastructure is secure,scalable,and cost optimised
- -Collaborate with development ,QA,Andproduct Teams to improve relese cycles
- -Implement and enforce Devsecops best practices
- -Exposure to devsecops practices,including security tools like Trivy,sonarqube
- -Experience in secreats management and secure deployement pipelines.
- -strong collaboration and troubleshooting abilities acress dev/test/prod environment
- -Working on Terraform state file to deploy the Aws resources.
- Implementation og Gateways on servers on single entry point .
- Infrastructure provisioning along with the Terraform Tools ,Cloud Formation or cloud console.
- Deployed the backend and front end Application Tier.

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f.Automation and IAC:advocate for and implement infra as code solution using tools such as terraform,azure resource manager,scripting language powershell and cli .

AWS Mid Level Devops engineer.

1.Configuration and monitoring dns,app server,load balancer and firewall for high-volume traffic.

2.Extensive experience in designing,implementing and maintaining infrastructure as code using terraform or cloud formation /arm template/deployment manager.

3.experties in devops tools (AWS:EC2,IAM,VPC,LB,SUBNET, S3,LAMDA,RDS,SNS,CLOUDWATCH)

4.EXPERIENCE MANAGING CONTAINER INFRASTRUCTURE ON PREM AND MANAGED EXAMPLE :GKE and eks.

5.Design ,maintain implement and upgrade container infra example kn8 cluster and node pools.

6.Create and amaintain deployment menifest files for microservices using yaml code and json file script .

7.Deployment strategies: blue green,rollback and migrate from on prem to cloud or cloud to using refactoring ,reprocessing ,lift and shift.

8.Create gateways ,virtual services,traffic ,routing and fault injection.

9.Having troubleshoot experience to resole container ,deployment ,infra issues.

10.understanding ci/cd pipeline.

11.Develop and maintain ci/cd pipeline for software delivery using git tools such as jenkins and gitlab.

12.Good understanding linux and windows system

13.undertanding deploy and orchestrate apps using docker and kn8.

14.Build and maintain ci/cd pipeline using githlab,jenkins,aws devops

15.setup and logging and monitoring with cloud watch ,grafana, promethisius

KEY SKILLS

AMIS ,snapshot

- -Deployed container on to the cloud platform while creation of container also troubleshoot the Debugs .
- -Design implement and maintain ci/cd pipeline using tools such as GITHUB action to automate software build , test and development.
- -Maintaining centralised deployement with docker and kn8
- -intalling master machine and node machine and have to troubleshoot if both machine are not getting through ssh connection .
- -Installing docker with the helo of docker iso execution file and if finding any bug then have to correct the code to the JSON file ,checked the dependencies of the file which is written in the code form .
- -During Jenkins insatallation checking th eprerequisites like java package already installed or not ,checking required pluging interated or not like github
- -Instaling snyk and finding the bugg with integrated tools such as github,jenkins
- -Fixed sotware composition with ingerated tools ,instead of go to manually ec2 instances
- -Integration docker with jenkins or general KN8 any tools
- - Installtion Terraform ,configuring AWS cli as prerequisites to the ec2 instance also troubleshooting any kind of issues that occures during the installation of the terrafoem ,such as failure so many issues i have been face during IAC INSATLLATION
- .Working on Management system,text editor & creating file,understanding file permission through chmod and chown,copying a file.
- .Make a connection between windows to aws server.
- .Creating a VPC For AWS environment ,creating internet gateway,creating security group,associate route table.
- .Design,implement,and manage scalable and secure infrastructure platform using terraform ,ansible ,and ansible and scripting in python and bash
- .Automatic ,provisioning ,monitoring and scaling operation across environment .
- .Monitoring and observability .
- .Discovery and assessment (on-premises environment using azure Tools such as (azure migrate,azure assesment and planning)
- .Design and implement scalable ,secure,and cost effective solution using azure service such as (vm,azure virtual network,azure sql database,azure blob storage,azure function .
- .configure secure high performance hybrid connectivity between onpremises and azure using azure express route site to site vpns.
- .integrate docker with jenkins or general kn8 any tools.
- .Build
- .Orchestrate a website with lesser time and high availability alongwith autoscating (LaunchingDB instances in Amazon RDS and elastic beanstack)
- Assist in solving complex issues with our cloud services & platform
- .Managing Hybrid identities with azure ad connect ,like phone base authentication,mfa ,sspr.
- Managing conditional access policies on azure platform in accordance with users,groups membership.
- Establishing connection between windows to aws platform.
- .Installing terraform on ubuntu macine ,configuring aws on ubuntu mchine and deploying infastructure for the company like network,resource,region,end to end archetecture.
- Creating user data ,creating repository.
- Using linux o.s creating empty file,copy file from one file to other file,compressed file.

- Cloud Platforms: AWS | Azure | GCP | DevOps & CI/CD: Jenkins | Docker | Kubernetes | Git | Infrastructure as Code: Terraform | AWS CloudFormation | Ansible | Scripting & Programming: Python | Shell Scripting (Bash)| Operating Systems: Linux | Windows Monitoring & Management: ServiceNow | SCCM | Intune | Active Directory | O365 Database: MySQL | SQL | Other Tools: WebEx | Zoom | Microsoft Teams | RSA | Synergy

CORE SKILLS

- **Cloud Networking:** AWS VPC, Transit Gateway, Azure VNets, GCP VPC, VPNs, Direct Connect, ExpressRoute
- **Aviatrix:** Transit & Spoke architecture, CoPilot, Multi-Cloud Network Architecture (MCNA), FireNet
- **Networking Protocols:** BGP, OSPF, IPSec, DNS, NAT, SD-WAN
- **Automation & IaC:** Terraform, Ansible, Python, CloudFormation
- **Monitoring & Security:** CloudWatch, Azure Monitor, Aviatrix CoPilot, Network ACLs, Security Groups
- **DevOps & CI/CD:** Jenkins, GitHub Actions, Docker, Kubernetes (basic)
- **Certifications:** Aviatrix Certified Engineer (ACE), AWS Certified Advanced Networking, Azure Network Engineer Associate

WEBSITES, PORTFOLIOS, PROFILES

- https://github.com /abhishek123-cmyk
- https://www.linkedin.com /in/abhishek-raj-8b40a4290/

Devsecops Area

1.Integrating security into the Development life cycle.

2.Using git hub to store source code vulnerable code

3.used synky for sast,sca,container,iac scan

4.Used Trivy for scaning for volunerabilty for for file container dependencies for filteration

5.i have been scan my resources vulnerability from the cloud

- Used jenkins tools for ci/cd pipeline for automate the task ,deploying apps ,automate builds.
- Setup jenkins build pipeline .
- Creating users ,groups, on azure entra id and adding memebers to the dynamic ,distribution group list to the azure platform and on premises ,also providing the access for the shared file path to the user on azure side .
- Layout diagram through drwa.io for infra designing .
- .Also worked on windows server 2016 for exchange mail setup enabling.

- .During my duties i have facing lot of problems ,like ssh connection issue ,not estabiished connection between master nodes and worker nodes i hve trouble shooot these type of problems.
- Also troubleshoot jenkins issue during build job .
- Inslaaed ansible on ubuntu machine along with necessary software installation.
- Created inventory file for the test purpose through ansible playbook .
- Execute the ansible playbook over the master machine .
- Used jenkins for ci/cd pipeline to deploye any weapps any resources through job build code for communiacting .
- As a devops engineer i have implement life cycle for the company as fast as possible ,i have used github link for implement of devops life cycle.
- Migrate from on prem to azure application and aws application using access discover ,inventory your application ,server and , dependencies. (azure migrate aws wpplication discovery services)

January 2023 - June 2023
Senior System Engineer 3i InfoTech LTD

- Proficient in configuring Azure VMs, Intune, Autopilot, MDM, MFA, and Conditional Access for optimal system performance
- Provided remote support to end-users utilizing various tools including SCCM, Quick Assist, and GoToAssist
- Deployed various applications and monitored their performance and functionality along with endpoint configurations

March 2022 - December 2022
system expert Value point Pvt Ltd | Gurugram

- Led the management of Azure Active Directory, VNET, Peering, Load Balancer, and Storage infrastructure.
- Provided extensive support for Virtual Desktop Infrastructure (VDI) environments utilizing Citrix and vSphere technologies.
- Performed regular patch management activities to ensure system security and stability

July 2021 - December 2021
Residential Engineer RLS Infotech LTD | SBI Bank, Allahabad bank

- Oversaw the management of Active Directory, including Outlook configuration and implementation of malware protection
- Utilized SCCM to provide comprehensive security patching for systems
- Provided comprehensive technical support to remote users utilizing collaboration tools such as Teams, Zoom, and RDP

September 2017 - May 2020
End User Support Engineer Sysnet global Technology Pvt Ltd |

CBEC project

- Managed domain join, DNS, LAN/WAN, and VPN configurations to ensure seamless network connectivity and security
- Oversaw the seamless transition of Active Directory user profiles and facilitated certificate setup
- Logged incidents and resolved on-site technical issues by promptly attending to service requests and efficiently troubleshooting hardware and software problems

May 2017 - September 2017
Executive Help desk Hitachi payment services

- Monitored ATM activity remotely using Synergy tools to ensure smooth operation and troubleshoot any issues that arose
- Collaborated with cross-functional teams of engineers to ensure seamless functionality of ATMs
- Managed and ensured optimal ATM uptime to meet service level agreements

July 2016 - April 2017
Residential engineer Nigous Microsoft pvt ltd.

- Successfully provided efficient Active Directory (AD) account management services to ensure smooth operations and user access
- Managed operating system installations, resolved software issues, and oversaw domain permission management
- Conducted troubleshooting activities to resolve boot failures and user access problems, ensuring minimal downtime and optimal user experience

EDUCATION

05/2015
B.Tech | Electronics and Communication Engineering
St. Mary's College of Engineering and Technology, JNTU
GPA: 62%

PROJECTS

- capstone project
- 1. deploying multitier apps using aws ec2.
- 2.orchestrate a website lesser time and high availability along with auto scaling

  architecture across AWS and Azure for a multi-region enterprise

  (Cloud Native Networking), ensuring seamless and scalable hybrid connectivity.
- Developed **Terraform modules** to automate VPC creation, gateway deployment, and routing configurations across multi-cloud environments.
- Collaborated with InfoSec to enforce **micro-segmentation** and route
- Engineered cloud network topologies in **AWS** for high-availability and fault-tolerant applications.

• Project Done By me

1.Deployed a php sample application ove the Elastic beanstalk on aws

2.Deployed a HTML page and website on azure devops through the docker file and docker composed Features over the AZure Portal.

3.Orchestrae a website with lesser time and high availability alongwith autoscaling

along with php apps with external RDS database to elasticbeanstalk