

ABINASH KUMAR

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Career Objective :

To Settle myself in an immense professional position at prestigious MNC as a competent and dynamic professional by serving honestly in a distinguished and insightful ways across the high-growth environments in Cloud & production support, implementation, Configuring, Monitoring and Troubleshooting Windows, Hardware and implementation of AWS Cloud and Microsoft Azure DevOps.

Experience:

AWS and Microsoft Azure DevOps Trainee/Intern:

Key Achievements and Responsibilities:

Project-1: Deployed Netflix clone application in AWS EKS

- ⇒ Hands on experience with configuring AWS resources and services like EC2, VPC, EBS, ASG, ALB, EKS, IAM, S3 buckets.
- ⇒ Configured and implemented EKS cluster to deploy the Pods from CI/CD pipelines with minimum node group of 2 nodes.
- ⇒ Configured GitHub actions to run CI/CD by writing workflow file in Yaml format by adding secrets and variable to secure sensitive information.
- ⇒ Implemented the GitHub runners with Ec2 instance to run jobs on it.
- ⇒ Attached IAM roles and policies to provide permissions.
- ⇒ Writing Docker file with multi stage for application to build Docker image.
- ⇒ Deployed into EKS cluster with namespace and configured ingress with DNS mapping to browse application on web.

Project-2: Deployed Gaming application in AWS EKS & Argo-CD

- ⇒ Provisioned infrastructure in AWS Cloud by using Terraform scripts by configuring backend in s3 bucket with multiple environments
- ⇒ Provisioned Ec2 to through terraform script to run Jenkins and SonarQube by providing file provisioners.
- ⇒ Configured Jenkins Pipelines for application and IAC pipelines for application deployment and EKS cluster creation.

- ⇒ Written Jenkins declarative script to run CI/CD to checkout code build and push image and scan.
- ⇒ Integrated SonarQube for static code analysis with quality gateway.
- ⇒ Configured Argo CD for continues delivery to deploy application by connecting helm charts repo and Mapped Load Balancer to DNS for application to browse on web.

Project-3: Deployed 2-Tire Application on AWS cloud

- ⇒ Created Private VPC and with two subnets with Public and Private.
- ⇒ Implemented NAT Gateway for public access translations to Private subnet for outbound connections.
- ⇒ Provisioned the Ec2 servers and Deployed the React JS application with web server tool nginx in it.
- ⇒ Connected to MySQL via SSMS tool and configured some tables according to application data.
- ⇒ Implemented the ASG at Web servers' side with lunch template
- ⇒ Monitored the server by using cloud watch and many more projects.

Project-4: Deployed Implementation of DevOps on Azure Microsoft Cloud

- ⇒ Modified customized docker images using Docker file.
- ⇒ Created clusters in Microsoft Azure Cloud and manage the clusters using Kubernetes.
- ⇒ Developed and implemented Kubernetes manifests for deployment of microservices into k8s clusters.
- ⇒ Led infrastructure design for the EFK Clusters & Built visualization and Dashboards using Kibana.
- ⇒ Established infrastructure using Prometheus and Grafana.
- ⇒ Deploy 3node GKE cluster infrastructure using Terraform.
- ⇒ Expert at setting up Kubernetes cluster from scratch.

Project-5: Deployed CI CD Automation in Azure Microsoft

- ⇒ Creating and managing EKS clusters for client applications
- ⇒ Created EKS clusters using terraform code.
- ⇒ Deploy the EKS cluster using Gitlab CI CD pipeline.
- ⇒ Implementation of FCR-firewall change request to enable networking between accounts and validate
- ⇒ Used Dynatrace to monitor all applications account.
- ⇒ By using logz.io, validating all the application logs.
- ⇒ Through Rally application, checking day-to-day assignments in the form of tickets.
- ⇒ Integration of Vault within our EKS cluster to securely use the secrets required for all the applications deployed under each application EKS cluster.

Project-6: Deployed Troubleshoot network with CI/CD and VPC.

- ⇒ Creating Jenkins CI/CD Pipelines to build the code and there by deploy the code using configuration management tool such as Ansible.
- ⇒ Writing Ansible Scripts to deploy into the servers and to configure them.
- ⇒ Developing suitable AWS based solutions/infrastructure based on customer requirements.
- ⇒ Build and configure a virtual data centre in AWS cloud to support Enterprise Data Warehouse hosting including Virtual Private Cloud (VPC), Public and Private subnets, Security Groups, Route tables, Elastic load balancer, CloudWatch and CloudTrail.
- ⇒ Developed a tool for Continuous Deployment of different services through this tool using Node js, Angular js and Couchbase.
- ⇒ Managing server performance, Disk File Systems, Users Creation and granting of file access permissions.
- ⇒ Monitoring the performance of the system using top, netstat, iostat and CPU info to check the CPU Utilization, bottlenecks of I/O devices, memory usage and network traffic
- ⇒ Troubleshoot network connectivity using ping, netstat, ipconfig, traceroute commands.
- ⇒ Logging in to the remote system using putty, ssh and telnet.

Technical Skills:

Operating System's	Linux, Windows
SCM Tools	GIT, GitHub, GitLab
Scripting Languages	Shell Script and Yaml
CI Tools	Jenkins, GitHub Actions, GitLab CI/CD
Build Tools	Maven, NPM
Configuration Management Tool	Ansible
Web/App Servers	Tomcat, Nginx
Cloud Providers	AWS and Microsoft Azure
Container Orchestration Tool	Docker and Kubernetes, Argo CD Helm
Provisioning Tools	Terraform, Ansible

Education Details:

Degree from Osmania University

Personal Details:

Father's name	:	Vinod Kumar
Nationality	:	Indian
Language	:	English, Hindi, Telugu
Gender	:	Male
Marital status	:	Unmarried

Declaration:

I believe in that all above statement are true and correct to the best of my knowledge

(Abinash Kumar)